



Building a design system for Thai people.

Chapter I: Research

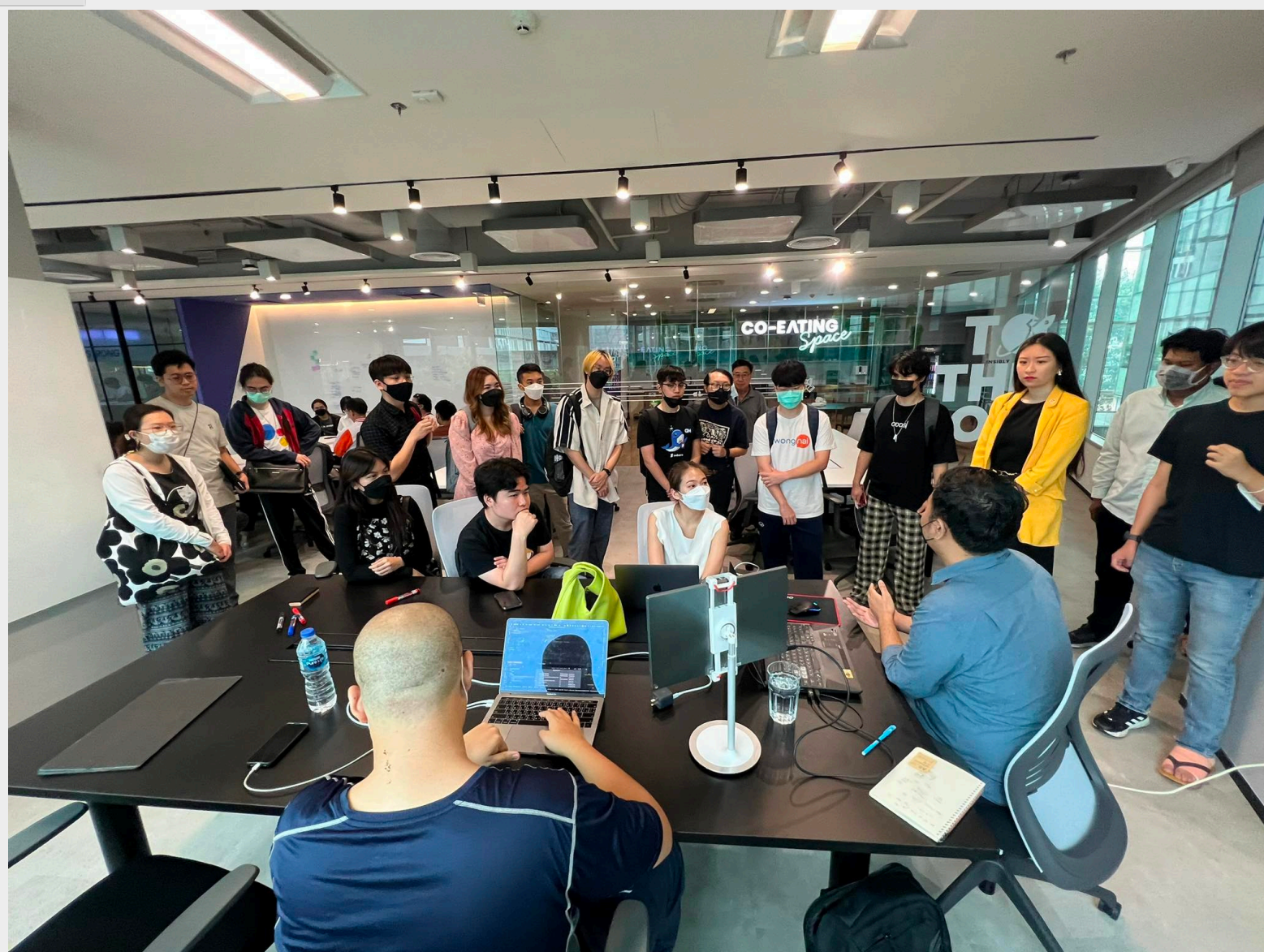
Workshop 1



Workshop 2



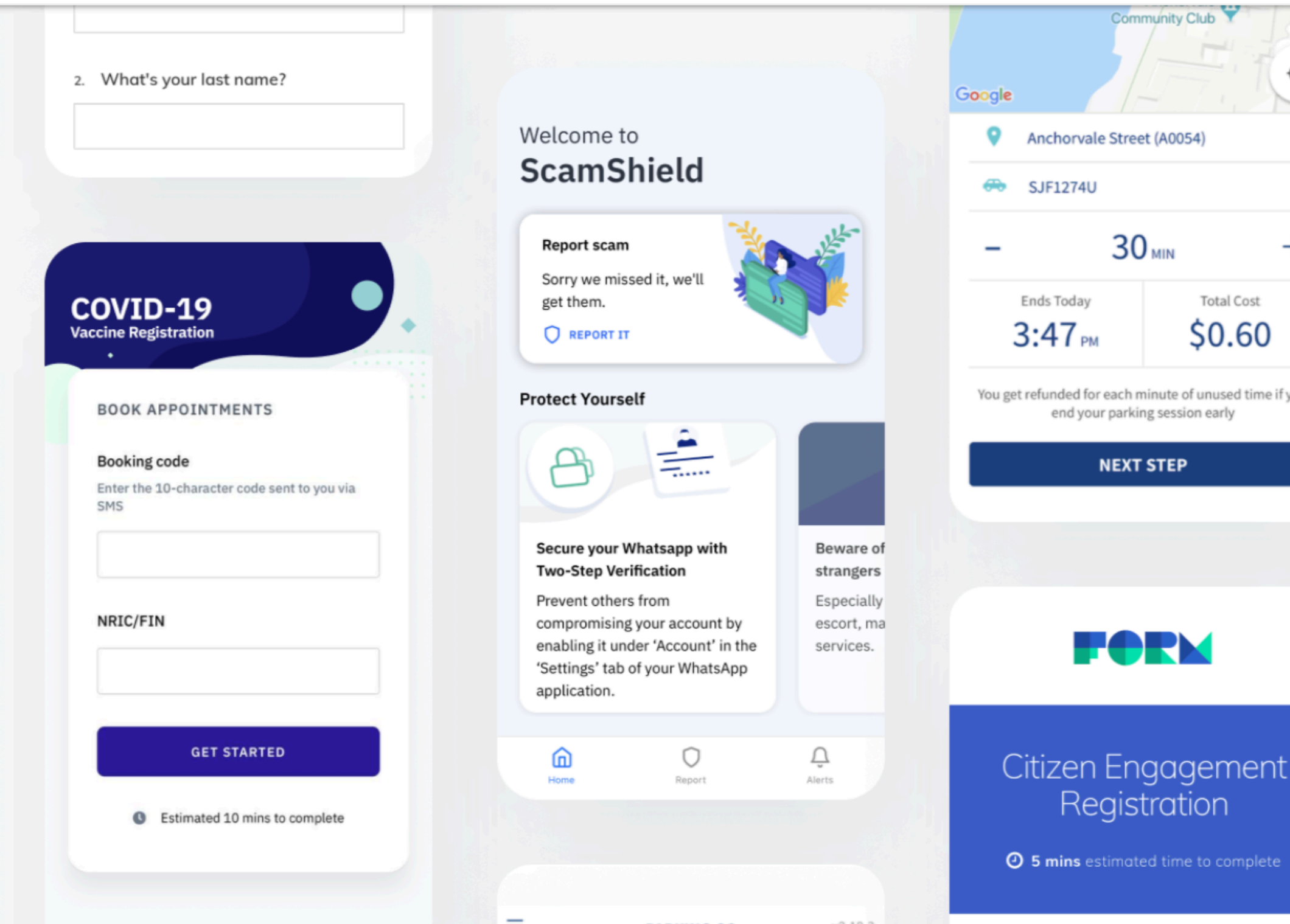
Open Hack
Day



Final
Hackathon



At OGP, we
fight scams
for public good



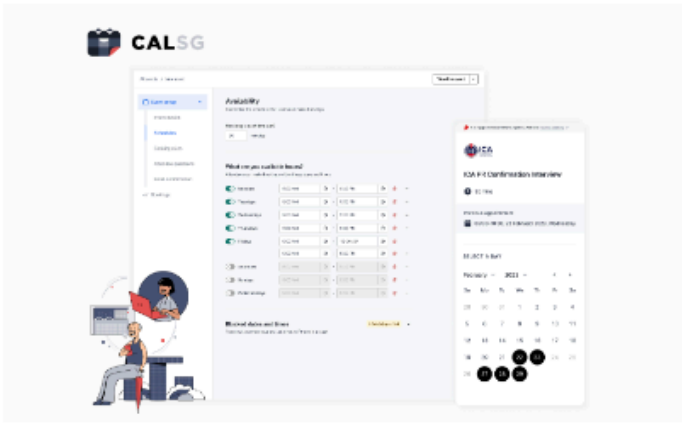
Solving problems for citizens



Our Products

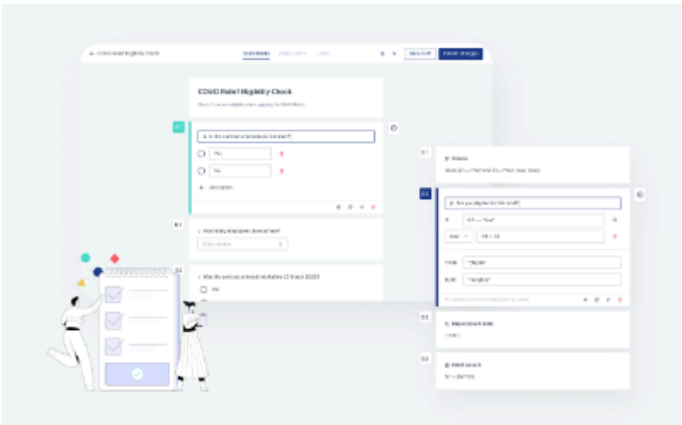
How We Build

COVID-19



CALSG

Appointment bookings for Government



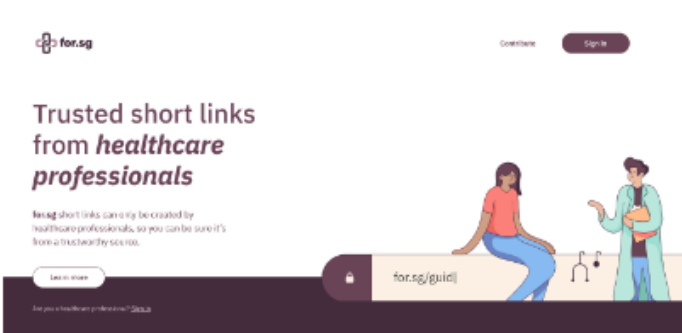
CHECKFIRST

Calculator and eligibility builder for the government



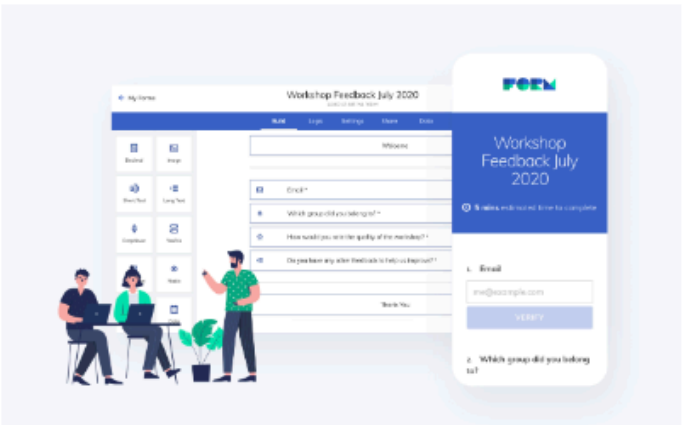
DATA.GOV.SG

Open repository for Singapore's public data



FOR.SG

The official link shortener for healthcare institutions



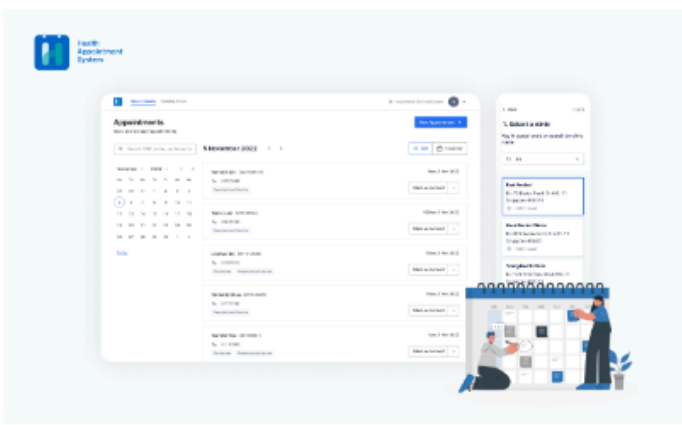
FORM.GOV.SG

Build government forms in minutes



GO.GOV.SG

Create official government links in seconds



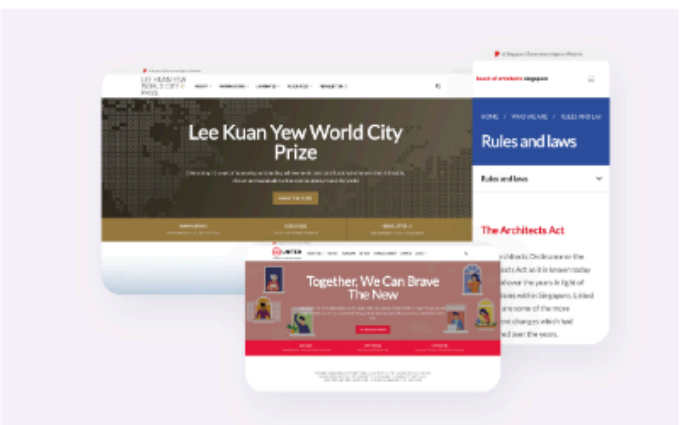
HEALTH APPOINTMENT SYSTEM

Find and book vaccine



HIGHWAY

Secure file collection for government agencies



ISOMER

A static website building and hosting solution for the public service





GET STARTED 

OUR USERS

FAQ

GUIDE 

GITHUB 



We've recently launched IsomerCMS to make it easy for users to edit their site. Find out more about the CMS in [our guide](#)!



Isomer

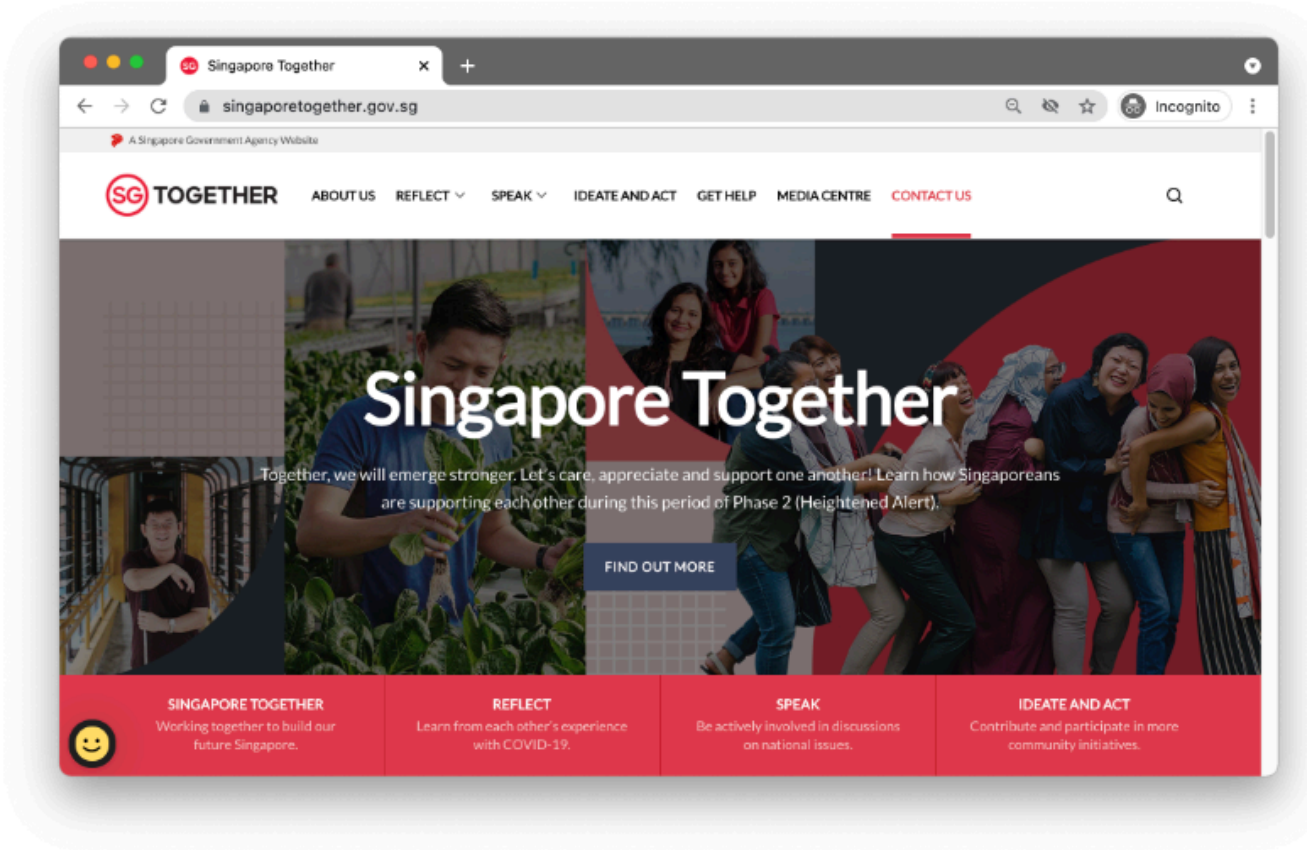
Rapidly launch informational sites for your agency

CONTACT US

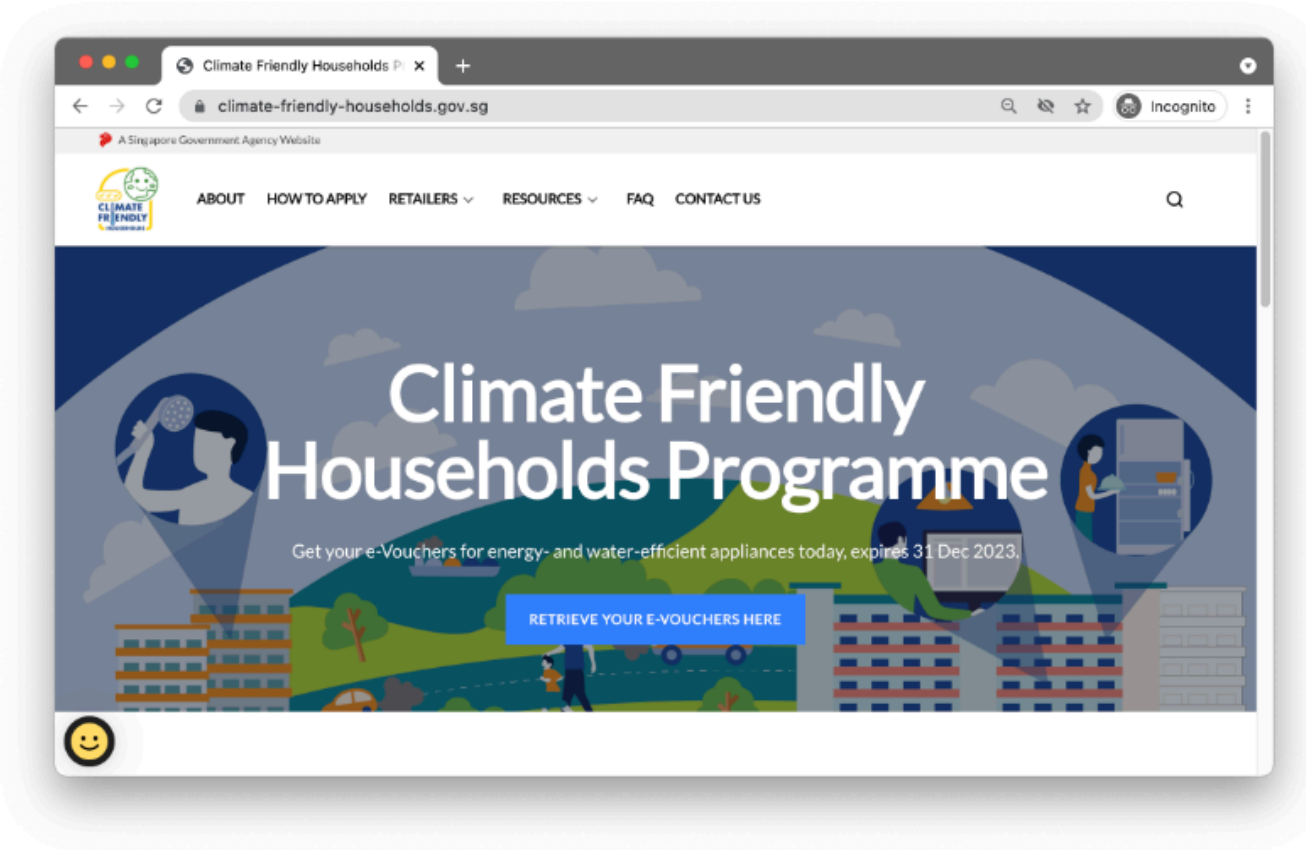
530+
SITES LAUNCHED

70+
AGENCIES

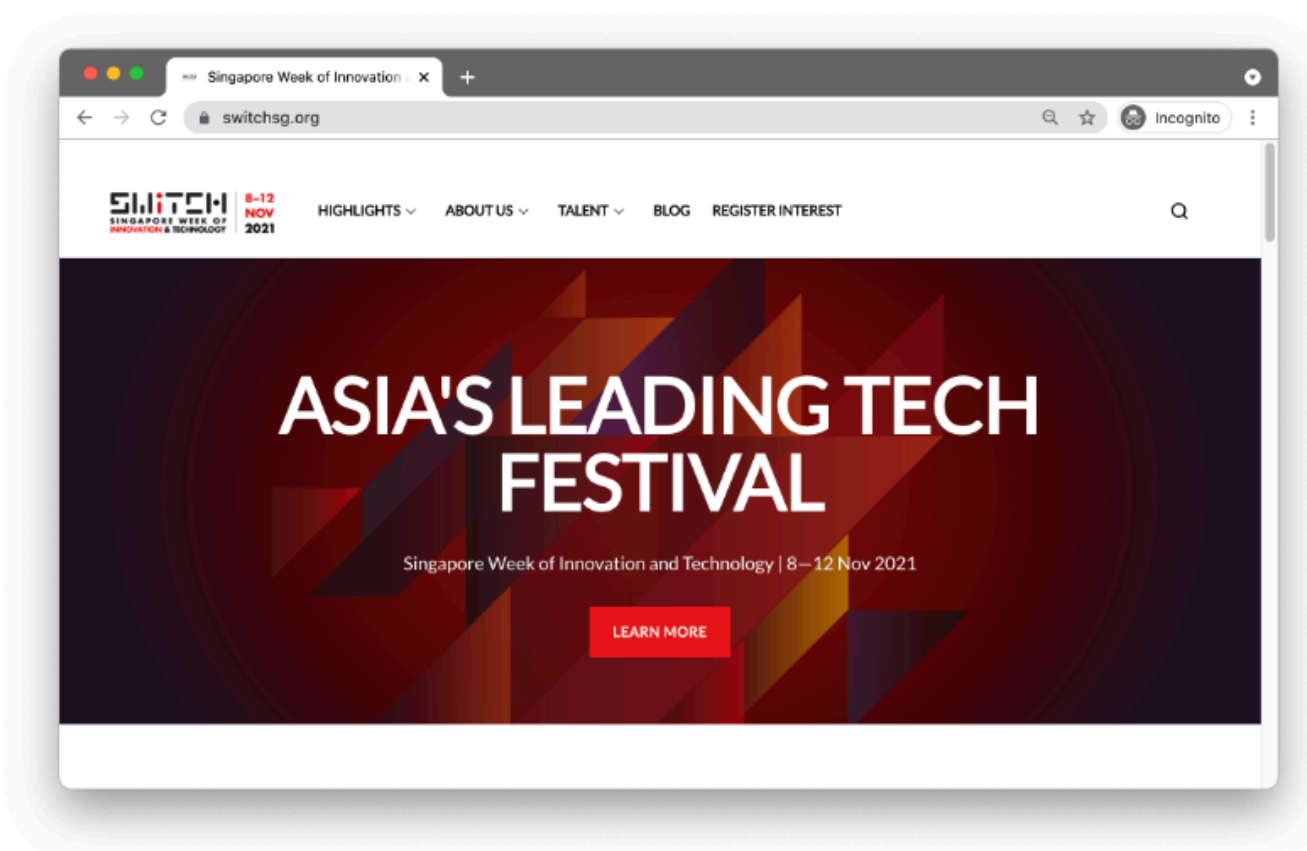
99.99%
UPTIME



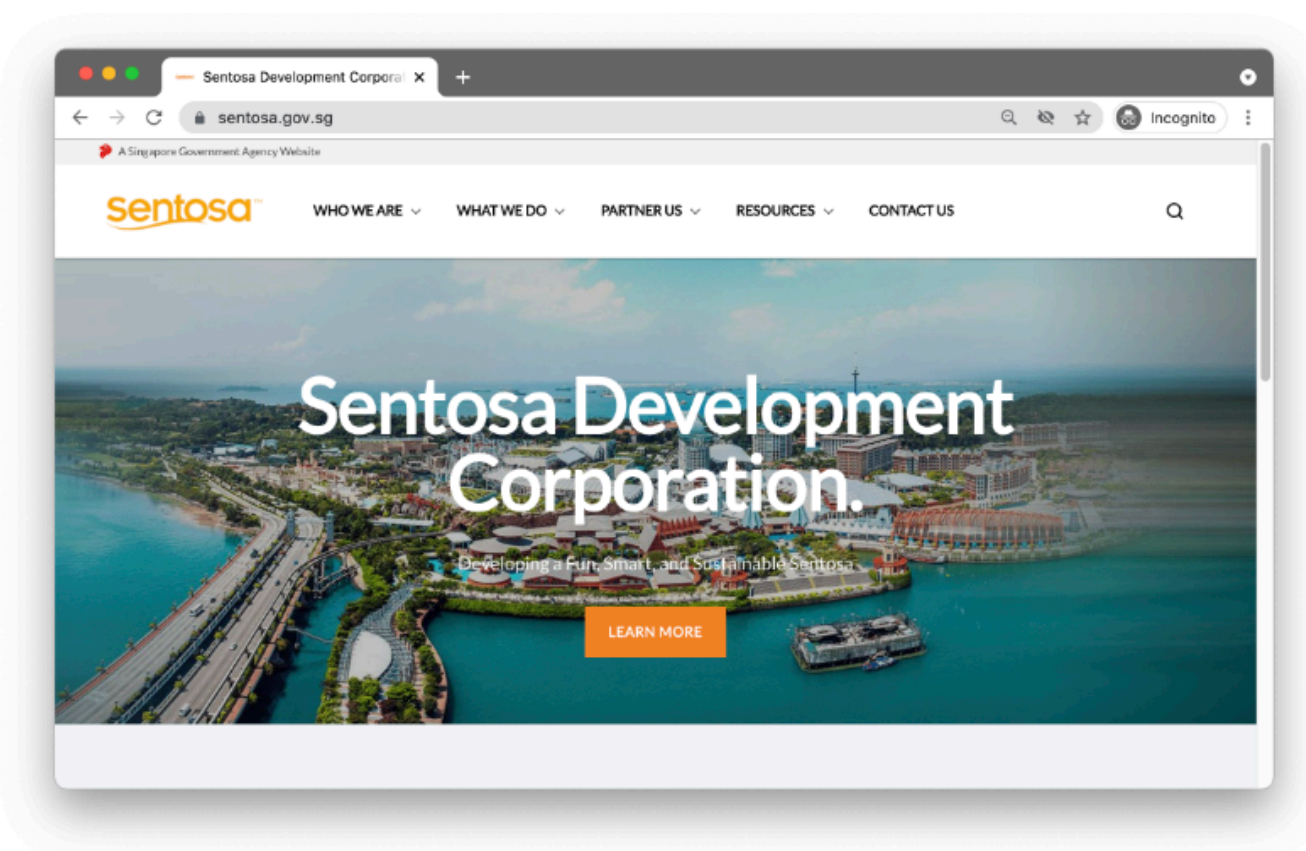
MCCY, Singapore Together



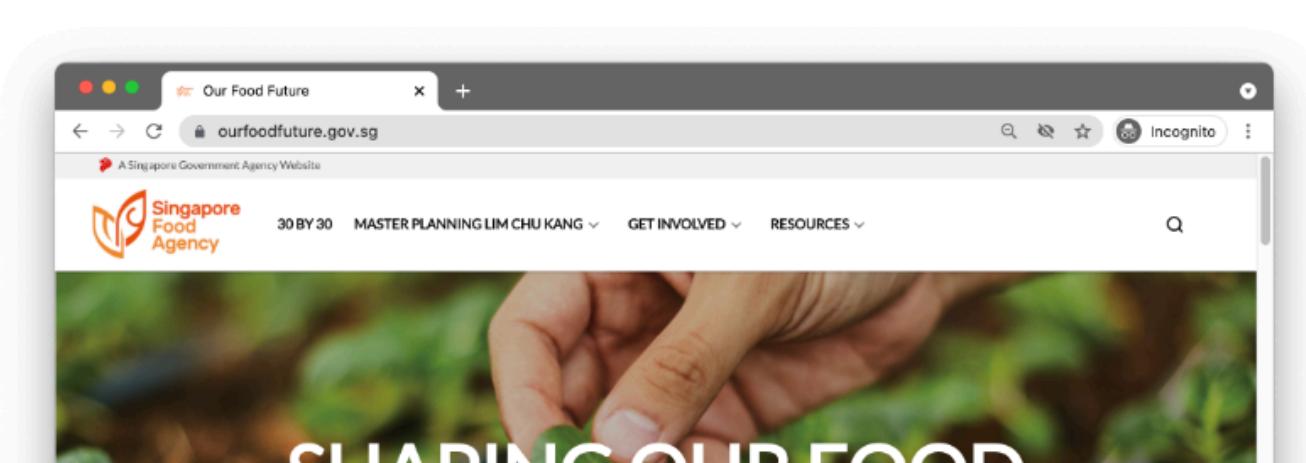
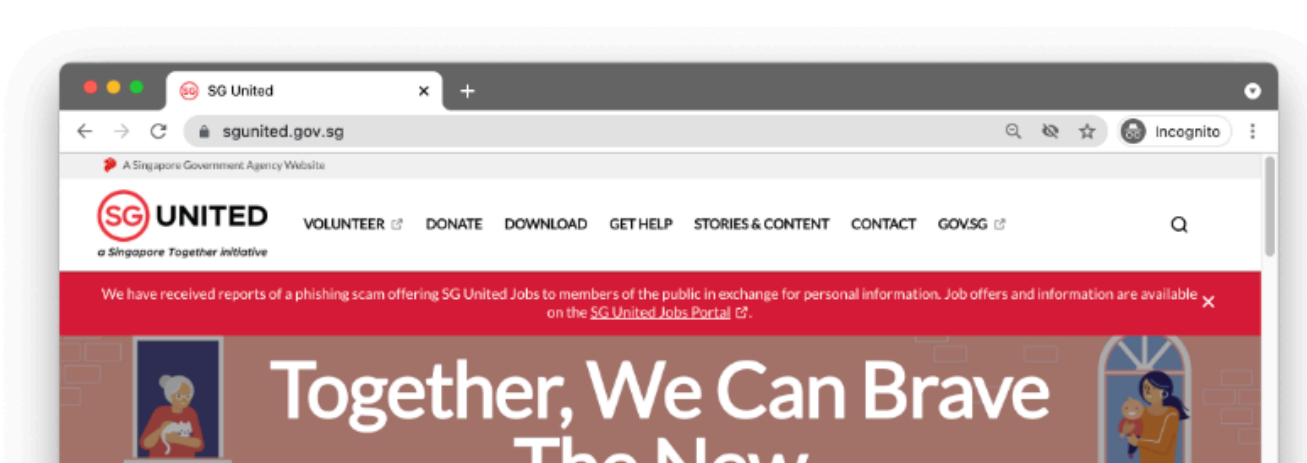
NEA/PUB, Climate Friendly Households Programme

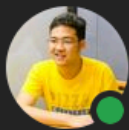


EnterpriseSG, Switch SG



Sentosa Development Corporation, Corporate Site





Phoomparin Mano

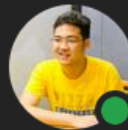
16 May · 🌐



เป็นการคุยดีสคอร์ด 500 คนที่สนุกและน่าตื่นเต้นที่สุดเท่าที่เคยเจอมาแล้ว [#kaogeek](#)

ดีใจมากที่ได้เจอ dev และ geek ทั่วประเทศมารวมตัวกัน มาคุยกัน มาสร้างอะไรด้วยกัน ดีใจที่สส. แท้ง [ณัฐพงษ์ เรื่องปัญญาวฤติ - Natthaphong Ruengpanyawut](#) เปิดกลุ่มให้ชาว geek มีพื้นที่ได้คุยกัน มาสร้างอะไรด้วยกัน

วันนี้เริ่มจากการมาคุย policy การดูแลกลุ่ม จนถึงเปิด GitHub repo ขึ้นมาสร้าง Discord Bot ด้วยกัน จะได้นำไปสู่การทำโปรเจกต์อื่นๆ ของภาคประชาชนอีกมากมาย ตอนนี้สายสร้าง Discord Bot หลายคนเริ่มได้...
[See more](#)



Phoomparin Mano

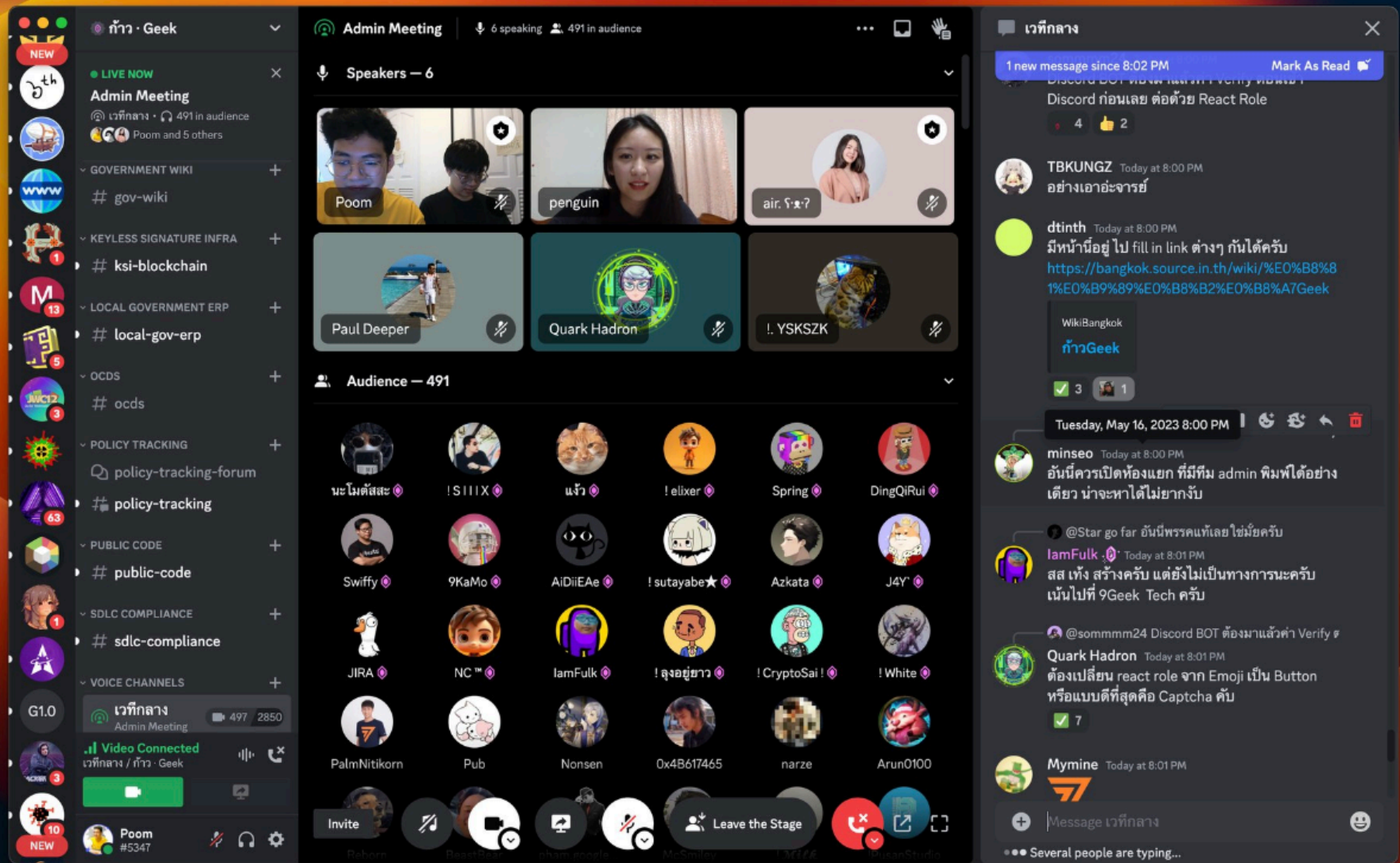
16 May · 🌐



ก้าว geek ย้ายบ้านไป Discord แล้วนะครับ ก่อนหน้านี้ใน Slack ก้าวก็คของสส. แท้งมี channels หลายประเด็นเลย

แค่หัวข้อ channels ก็กินขาดแล้วครับ เชียร์สส. แท้งสุดลิ่มทิ่มประตูแล้วตอนนี้ community ดีสุดยอด มีเทพจากทั่ววงการ software engineer มาลง หลายคนในกลุ่มค่าตัวหลายแสนนะบอกเลย

<https://discord.gg/AxcTxTND>



Pinned by Teng



Teng 11:04 AM

สวัสดีครับทุกท่าน, ในแต่ละ ch คือ แต่ละ working group / project นะครับ ใครสนใจเสาะไหน เลือก attend แล้วเข้าไปเริ่มในนั้นได้เลย

[#300-mfp-policy-tracking](#) Web track นโยบายรัฐบาล

[#gov-wiki](#) ระบบ KB รัฐบาล (รวมถึงพรรคร่วม) ทำหน้าที่ single source of truth ของ รบ.

[#digital-id](#) บัตรปช.ดิจิทัล

[#data-integration](#) กฎหมาย+platform การแลกเปลี่ยนข้อมูล รัฐ-เอกชน, ex. Estonia's X-Road

[#local-gov-erp](#) ERP ท้องถิ่น, ทำให้อาจสามารถ scale ได้

[#accessibility](#) Regulation & guideline การออกแบบ digital platform ภาครัฐให้รองรับคนทุกกลุ่ม

[#ocds](#) Open Contracting Data Standard

[#ksi-blockchain](#) Keyless Signature Infra เพื่อทำ Data Integrity ที่ robust ต่อ Quantum Threat

[#cyber-security](#) กฎหมาย+เทคนิค ว่าด้วยความปลอดภัยด้านไซเบอร์ภาครัฐ

[#public-code](#) EU's Public Money Public Code

[#sdic-compliance](#) หลาย ๆ เรื่อง ทั้ง Cyber Security, Public Code, Data Integration, Accessibility etc. ที่ต้องฝังอยู่ใน software dev lifecycle ให้มายกร่าง ระเบียบ/ประกาศ/คำสั่ง กันในนี้

--

[#general](#) พุดคุยทั่วไปได้เลย (edited)



19



3



5



Chun Rapeepat, Danthai Sukkumnoed and 2.1K others

87 comments 2.2K shares



Like



Comment



Share



Chun Rapeepat, Chukkrit Visitsaktavorn and 592 others

18 comments 89 shares



Like



Comment



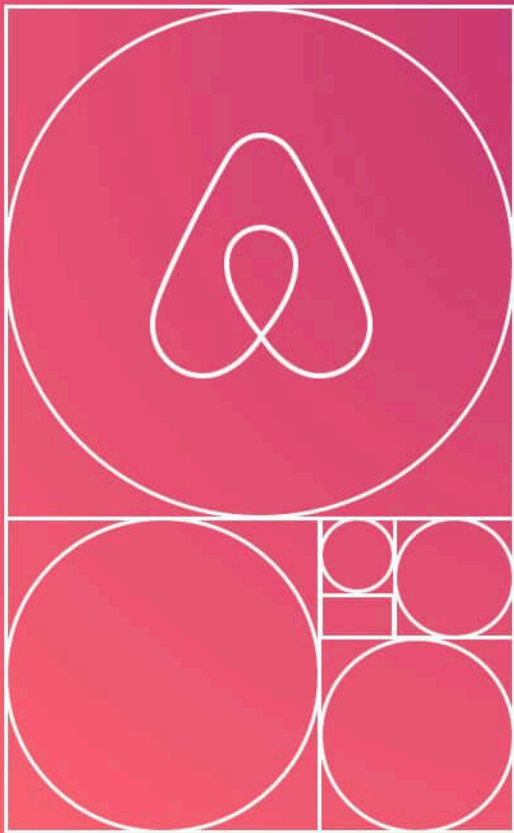
Share



What's the most **foundational elements** to build a successful open-source product?

Guide

DLS Primitives



Usage

Primitives are used to retain the Airbnb brand with the colors, typography and spacing rhythm.

Primitives are global variables that are set in the codebase, meaning that changing a value will change it everywhere in the product.

Overwriting these values is not recommended since any future changes will not be reflected and even in short term it will cause fragmentation for the product experience.



Note:
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Typography

Title 1

Title 2

Title 3

Large

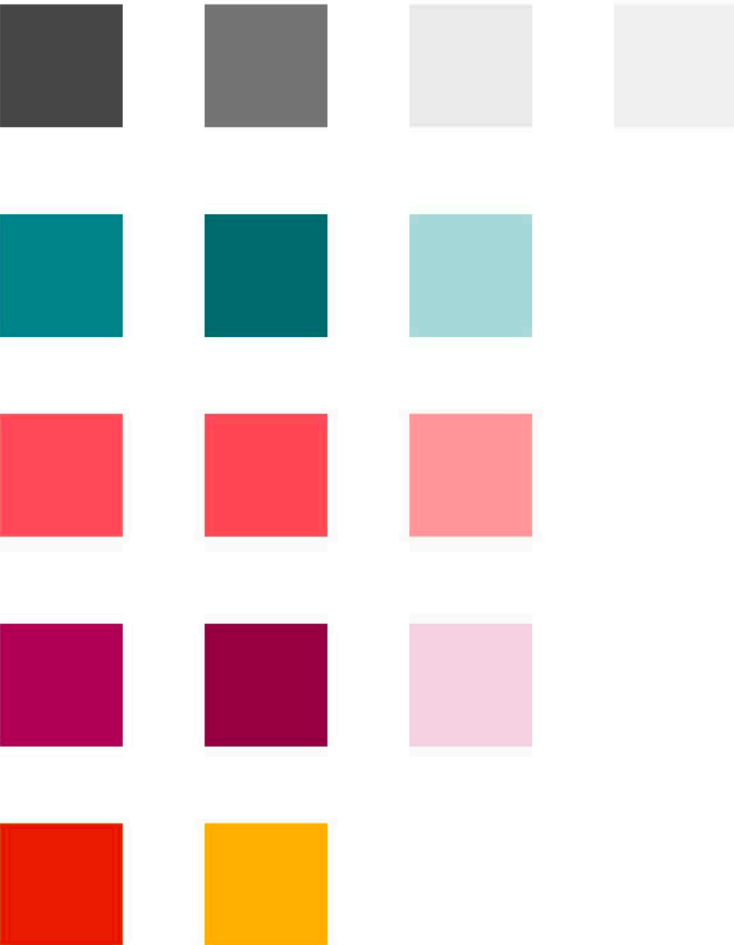
Regular

Small

Mini

MICRO

Color



Spacing

none

04 · micro

08 · tiny

16 · small

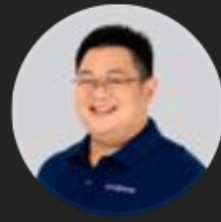
24 · standard

32 · semi

48 · large

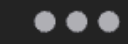
64 · x-large





Chakkrisn Menn Talawat

9 July · 🌐



OSEDA สมาคมศึกษาและพัฒนาโอเพ่นซอร์ส

วันนี้ประชุมเรื่องรับรองค์กรและโปรโมตกลุ่ม เพื่อจะได้จัดสัมมนาพูดคุยออนไลน์เกี่ยวกับโอเพ่นซอร์สในอนาคต

โลโก้ใหม่หากดูทั้งสีน้ำเงินและสีขาว จะเห็นว่าเป็นรูปคน 2 คนเหมือนกับโลโก้เดิม เพราะอยากคงความหมายเดิมไว้ คือ มาร่วมมือเพื่อแชร์ความรู้

แล้วก็เลขาภาพประกอบ ตามคำกล่าวที่ว่า เทคโนโลยีและธุรกิจอันยิ่งใหญ่ทั้งหลายในปัจจุบันนั้น รากฐานจำนวนมากมาจาก Open Source ที่ทำฟรี แจกฟรีนั่นเอง

และสรุปโปรเจกต์ที่จะทำในปีนี้

1. ThaiUI • UI สำหรับเว็บไซต์ภาษาไทยที่ได้มาตรฐาน (เช่น HTML5, WCAG, มาตรฐานเว็บไซต์ภาครัฐ ฯลฯ) รองรับผู้พิการ มี Dark Mode แจกโค้ด HTML/CSS/JS ฟรีเป็น Open Source เพื่อให้คนอื่นๆ นำไปทำเว็บต่อได้ง่าย หากใครถนัด Frontend หรือ CMS ไหน ก็นำไปทำแล้วแชร์กลับมาได้เลย

2. OSEDA Meetup • จัดพบปะออนไลน์แบบไม่เป็นทางการ ยังไม่ได้ระบุหัวข้อ คนพูด หรือเวลา มีแค่ต้องเกี่ยวกับ Open Source

หากสนใจเสนอหัวข้อ, สนใจพูดเกี่ยวกับ Open Source หรืออาสาช่วยงานต่างๆ สามารถเข้าร่วมที่กลุ่ม [OSEDA • Open Source Space](#) ได้เลยนะครับ

แล้วจะมาโปรโมต Meetup เร็วๆ นี้ครับ 😊



OSEDA

สมาคมศึกษาและพัฒนาโอเพ่นซอร์ส
Open Source Education and Development Association

OPEN SOURCE




สมาคมศึกษาและพัฒนาโอเพ่นซอร์ส

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ThaiUI

ThaiUI aims to be an open-source, framework-agnostic design system for Thai civic tech and government websites and web applications.

Goals and principles

- ThaiUI should be usable without build tooling or build scripts. Should be directly usable with CDN, e.g. `<link rel="stylesheet" href="https://thaiui.org/thaiui.css" />`.
- ThaiUI should work with any CSS frameworks, e.g. with utility-class based CSS frameworks out of the box. (e.g. Tailwind, UnoCSS)
- ThaiUI should expose a set of classes that is overrideable via CSS variables or utility classes, akin to DaisyUI. It should also expose CSS variables defining the design system's colors, spacings, etc.
- ThaiUI should be compatible with [Tailwind](#), [UnoCSS](#) and other frameworks. It should provide the base configuration for users of utility-class based frameworks (e.g. `tailwind.config.js` or `uno.config.ts`) to make use of ThaiUI's CSS variables for consistent styling out of the box.
- ThaiUI should provide basic set of ready-to-use templates and themes for common use cases, e.g. landing page, forms.
- ThaiUI should be JS framework agnostic, i.e. it must be usable with vanilla JavaScript, React, Vue, Svelte, etc. ThaiUI should expose a set of bindings for each popular frameworks, yet usable with Vanilla HTML.
- ThaiUI should expose a set of components and templates, both in base HTML form and framework-binding form.

Structure

```
apps/
docs/      # documentation site, built with Astro and ThaiUI
packages/
css/       # css stylesheets
react/    # react bindings
```



Contributors 2



heypoom Phoomparin Mano



mennwebs Menn

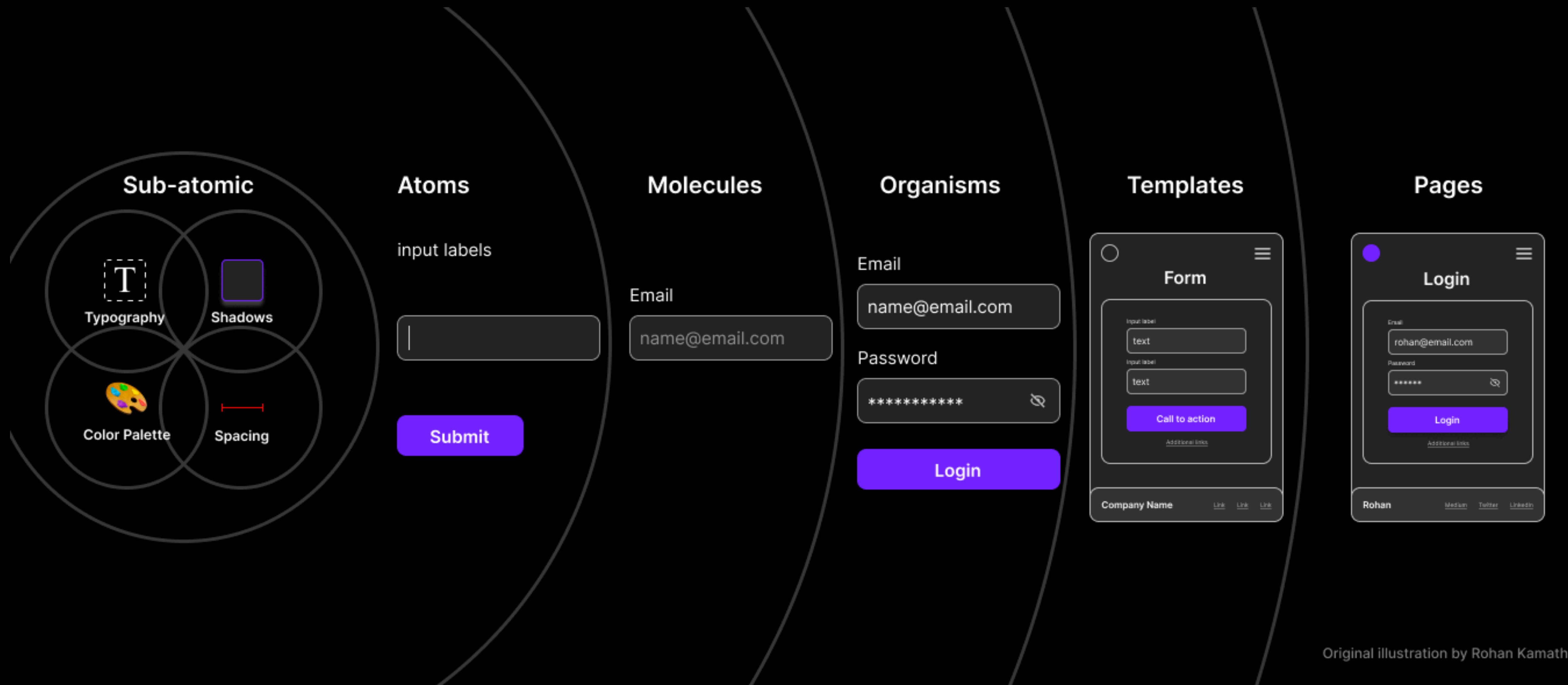
Languages



● CSS 62.7% ● JavaScript 24.5%
● Astro 12.8%

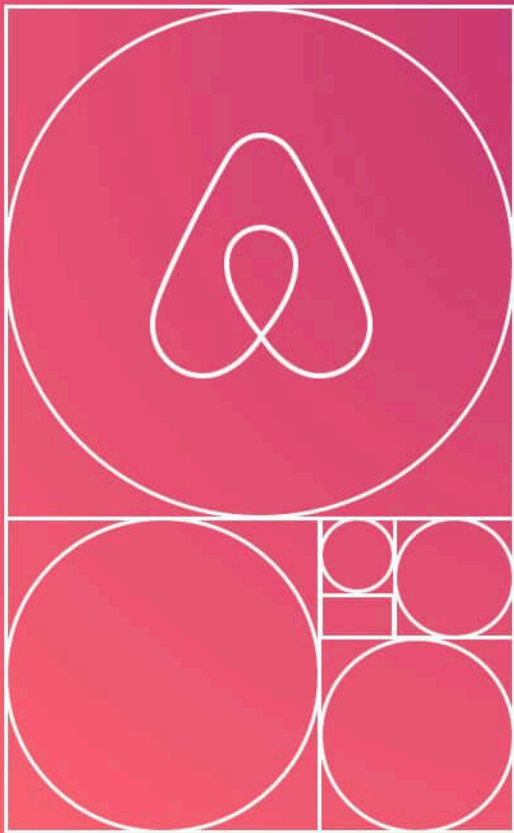


github.com/oseda/thaiui



Original illustration by Rohan Kamath

What is a Design System?



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Typography

Title 1

Title 2

Title 3

Large

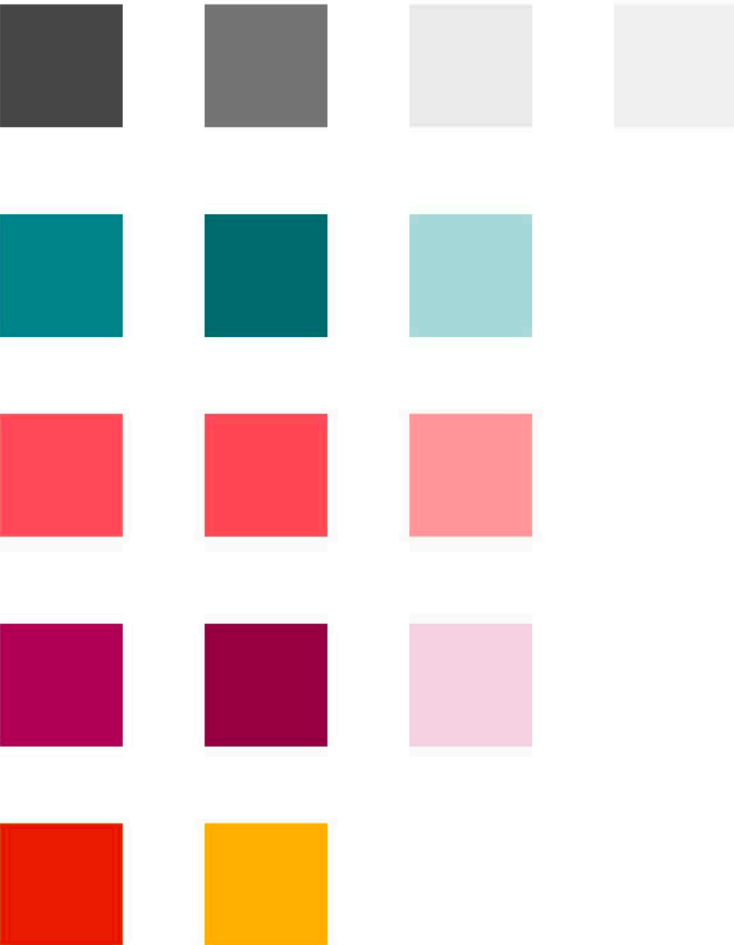
Regular

Small

Mini

MICRO

Color



Spacing

none

04 · micro

08 · tiny

16 · small

24 · standard

32 · semi

48 · large

64 · x-large



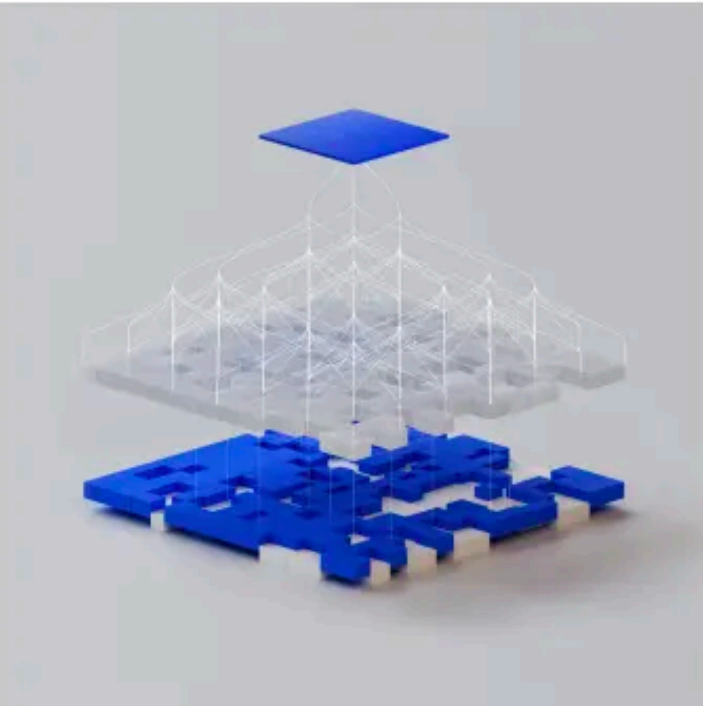
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Products Solutions Consulting Support More

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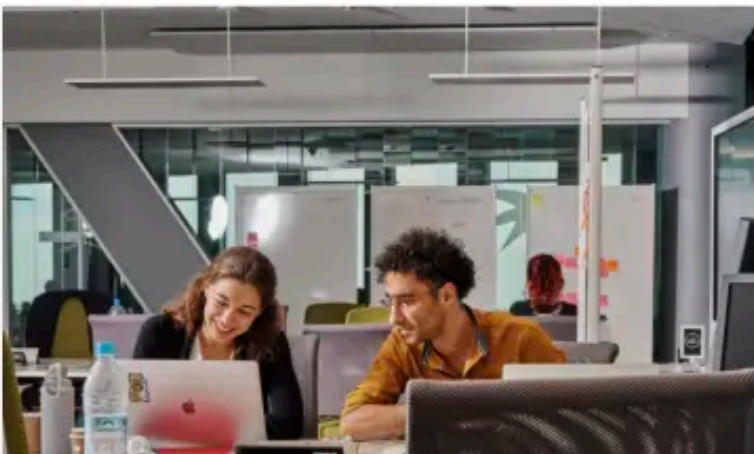
Quantum

Security & identity

What's new

Got responsible AI?

Gartner predicts the market for AI software will reach almost USD 134.8 billion by 2025. Learn three key reasons why responsible AI is crucial.



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Overview

Benefits

Capabilities

Use cases

Resources

Learn more

Next steps

Foundation models create better AI, faster

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Join the waitlist →

Generate


Classify

Summarize

Extract

Generate content, no code required

From writing marketing emails to creating customer personas, watsonx.ai is your new creative partner. Just specify what you want, set the parameters and let the AI do the work.



Let's talk

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Automation

Data & AI

Industry

Infrastructure

Security

Sustainability

Automation →

Intelligent automation for business and IT operations

AI Ops

Enable proactive, continuous application performance management

Application performance management

Bridge observability and automated resource management

Business automation

Deliver intelligent automation solutions quickly with low-code

Cloud cost management

Optimize performance at the lowest cost and align business value

Decision management

Model, manage and automate repeatable business processes

Enterprise content management

Accelerate information management and governance processes

Integration

Connect applications and systems to unlock critical data

IT automation

Reduce costs, drive business outcomes and protect brand value

License compliance

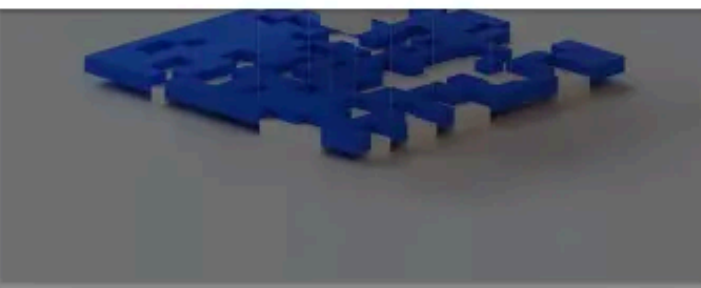
Reduce compliance risks with application resource management

Workflow

Increase productivity by streamlining processes and tasks

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Design your strategy →



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div.cds--css-grid.ibm-pt-2

1440 x 4180.27

Color #161616

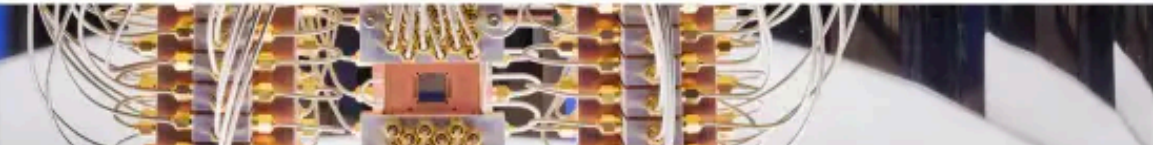
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Packing 16px 16px 0px

ACCESSIBILITY

Name generic

Role Keyboard-focusable



FRANCE, June 14, 09:45 CET - The first enterprise in France to join the IBM (NYSE: IBM) Quantum Network, Crédit Mutuel Alliance Fédérale, its technology subsidiary Euro-Information, and IBM today announced their continued investment in quantum computing. After a successful initial phase, the organizations have identified specific use cases, among many areas of interest in financial services, for the collaboration's new "scaling" phase, including research into customer experience, fraud management and risk management. This phase also intends to explore possibilities for how quantum computing could lead to future improvements in Crédit Mutuel Alliance Fédérale's customer and employee experience.

"Because banking and insurance are technological industries, it is essential to constantly innovate to master the technologies of the future, and to ensure that they help guarantee sovereignty. Our historic collaboration with IBM is part of this dynamic. Back in 2016, we were among the first financial institutions to apply artificial intelligence and its industrialization. Our ambition for quantum computing is similar: to explore, then industrialize, in order to further transform the banking and insurance businesses, all with the underlying goal of also keeping our customers' information secure," said Nicolas Thury, President of Crédit Mutuel Alliance Fédérale, and Franz Rübli, President of Euro-Information.

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Crédit Mutuel Alliance Fédérale and Euro-Information Collaborating with IBM to Shape the Bank's Quantum Future

IBM Consulting unveils Center of Excellence for generative AI

IBM Tech Now: IBM Watson Code Assistant, IBM Hybrid Cloud Mesh and IBM Event Automation

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Elements Console Sources Network Performance Memory Application

<div class="cds--css-grid ibm-pt-2"></div> grid

<div class="cds--css-grid ibm-pt-2"></div> grid == \$0

div#ibm-content-body.ibm-padding-top-0 div#ibm-content-main section div.cds--css-grid.ibm-pt-2

IBM.com

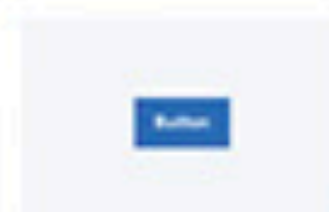
CARBON DESIGN SYSTEM



Accordion



Breadcrumb



Button



Checkbox



Code Snippet



Content Switcher



Data Table



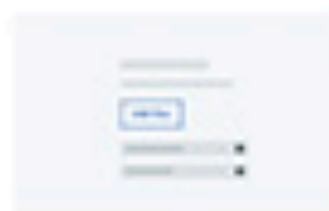
Data Vis



Date Picker



Dropdown



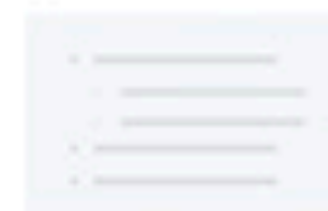
File Uploader



Form



Link



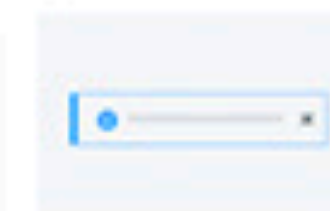
List



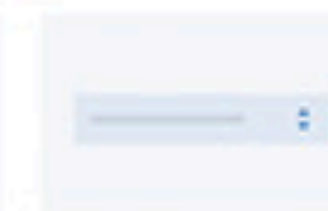
Loading



Modal



Notification



Number Input

Primary button

Secondary button

Tertiary button

Danger button

Ghost button

Data table title

| Component | Status | Tags |
|-----------|---------|---------|
| Device 1 | Online | Service |
| Device 2 | Online | Service |
| Device 3 | Offline | Service |

IBM Cloud

Dashboard

Create resource +

Build

Explore IBM Cloud with this selection of easy starter tutorials and services.

Watson Assistant

Use Watson Assistant

Watson Assistant lets you build conversational interfaces into any application, device, or channel.

Popular

2 MIN

Build with Watson

Chatbots, insights, recognizers, and more.

Explore the AI platform for business.

Popular

3 MIN

Watson starter kits

Generate cloud-native apps that get you started with popular Watson cloud services, including Watson Assistant.

Getting started

1 MIN

IBM Watson Machine Learning

Deploy, monitor and optimize machine learning models quickly and easily.

Leverage auto-generated APIs to infuse AI into your applications.

2 MIN

Build a well Watson Sp

Deploy a cc interface cc any applica channel.

Getting sta

15 MIN

News

8

News

IBM Planning Analytics as a Servi...

IBM Tech Now

IBM Cloud Satellite Config is now...

Recent support cases

Currently, there are no support cases.

Learn more about how to

Planned maintenance

5

Upcoming events

ATF - Regression testing. (R-CHG-tar...

ARF - Regression testing. (T-ABH-tar...

ATF - Testing. (R-CHG-targeted-com...

IBM Cloud status

Asia Pacific

Europe

North America

1

2

3

4

5

6

IBM Platform

Link 1

Link 2

Sub-menu

Search

Help

Notifications

User

Grid

Resource list / VPC infrastructure /

Load balancers

VPC Gen 2 load balancers

| Name | Protocol | Port | Attached groups | Status |
|-----------------|----------|------|------------------|------------|
| Load balancer 1 | HTTP | 3000 | Kevins VM Groups | ● Active |
| Load balancer 2 | HTTP | 443 | Moes VM Groups | ○ Disabled |
| Load balancer 3 | HTTP | 80 | Andys VM Groups | ▲ Starting |

Summary

Resources and apps

15

Clusters

23

Apps

14

Services

All about Carbon

▼

Case studies

▼

What’s happening

▼

Designing

▼

Developing

▼

Contributing

▼

Migrating

▼

Guidelines

▼

Components

▲

Overview

Accordion

Breadcrumb

Button

Checkbox

Code snippet

Contained list

Content switcher

Data table

Date picker

Dropdown

File uploader

Form

Usage

Style

Code

Accessibility

Title 1



Title 2



Title 3








AccordionItem

Modifiers

☐ open

☐ disabled

CodeSandbox  React  Web Components  Angular  Vue 



```
<Accordion>
  <AccordionItem title="Title 1"><p>The accordion component delivers large amounts of content in a small space through pa
  <AccordionItem title="Title 2"><p>The accordion component delivers large amounts of content in a small space through pa
  <AccordionItem title="Title 3"><p>The accordion component delivers large amounts of content in a small space through pa
</Accordion>
```

Formatting

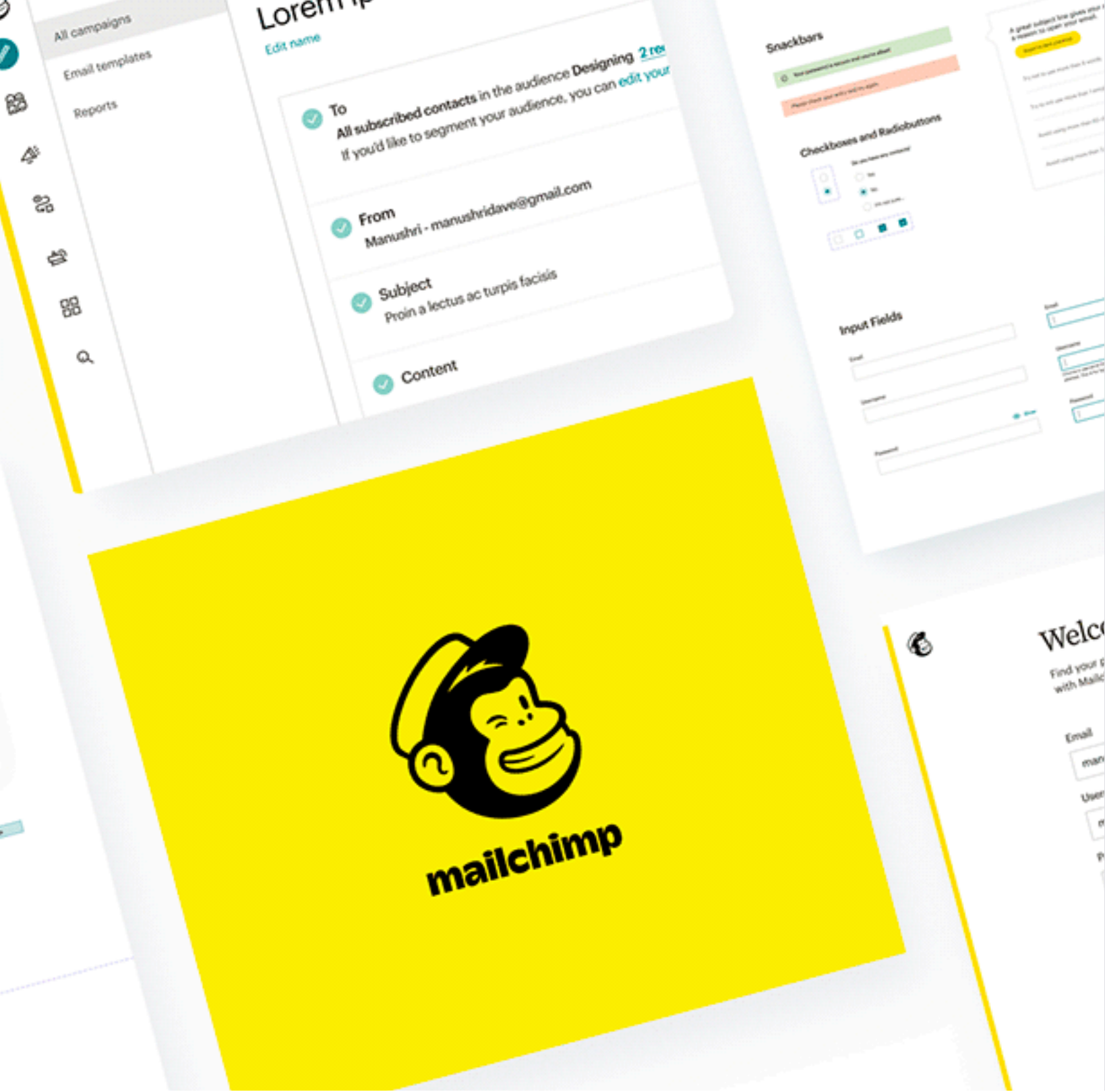



**“A set of standards to
manage design at scale”**

Neilson Norman Group




**Philosophy
Guidelines
Design Token
Variables
Color Palette
Components
Patterns
Templates**





Shopify Polaris


Our design system helps us work together to build a great experience for all of Shopify's merchants.



Be principled

Explore what we care about most when we build new features and products.


[Find out more](#)



Write it

Learn how to use language to design a more thoughtful product experience.


[Get writing](#)



Get visual

Find out how we approach the visual elements of our interface with purpose.


[Take a look](#)




Build something

Use components and patterns as you develop new features.


[Start creating](#)

**REACT COMPONENTS**

Clone the repository to start building with Shopify Polaris.

**UI KIT**

Get the latest version of our UI kit as a Sketch file.

**POLARIS TELESCOPE**

Explore Polaris in Sketch.




ATLASSIAN


Products ▾For teams ▾Support ▾

[Try free](#)[Buy now](#)


PLAN, TRACK, & SUPPORT

**Jira Software**


Project and issue tracking

**Jira Service Desk**


IT service desk and customer service

**Jira Ops**


Modern incident management

**Jira Core**

Essential business management


**StatusPage**

Incident communication


**Opsgenie**

Alerting and on-call management


COLLABORATE

**Confluence**


Document collaboration

**Trello**


Collaborate visually on any project

**Bitbucket**

Git code management


**Sourcetree**

Git and Mercurial desktop client

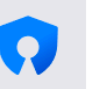
**Bamboo**

Integration and release management

SECURITY & IDENTITY

**Atlassian Access**

Security and control across Cloud

**Crowd**

Single sign-on and identity management

EXTEND

Marketplace

Developer

Support

✦ Ideal system ↔ 🌍 Real World



3 Parameters of Adoption

RULES



Strict

Loose

PARTS



Modular

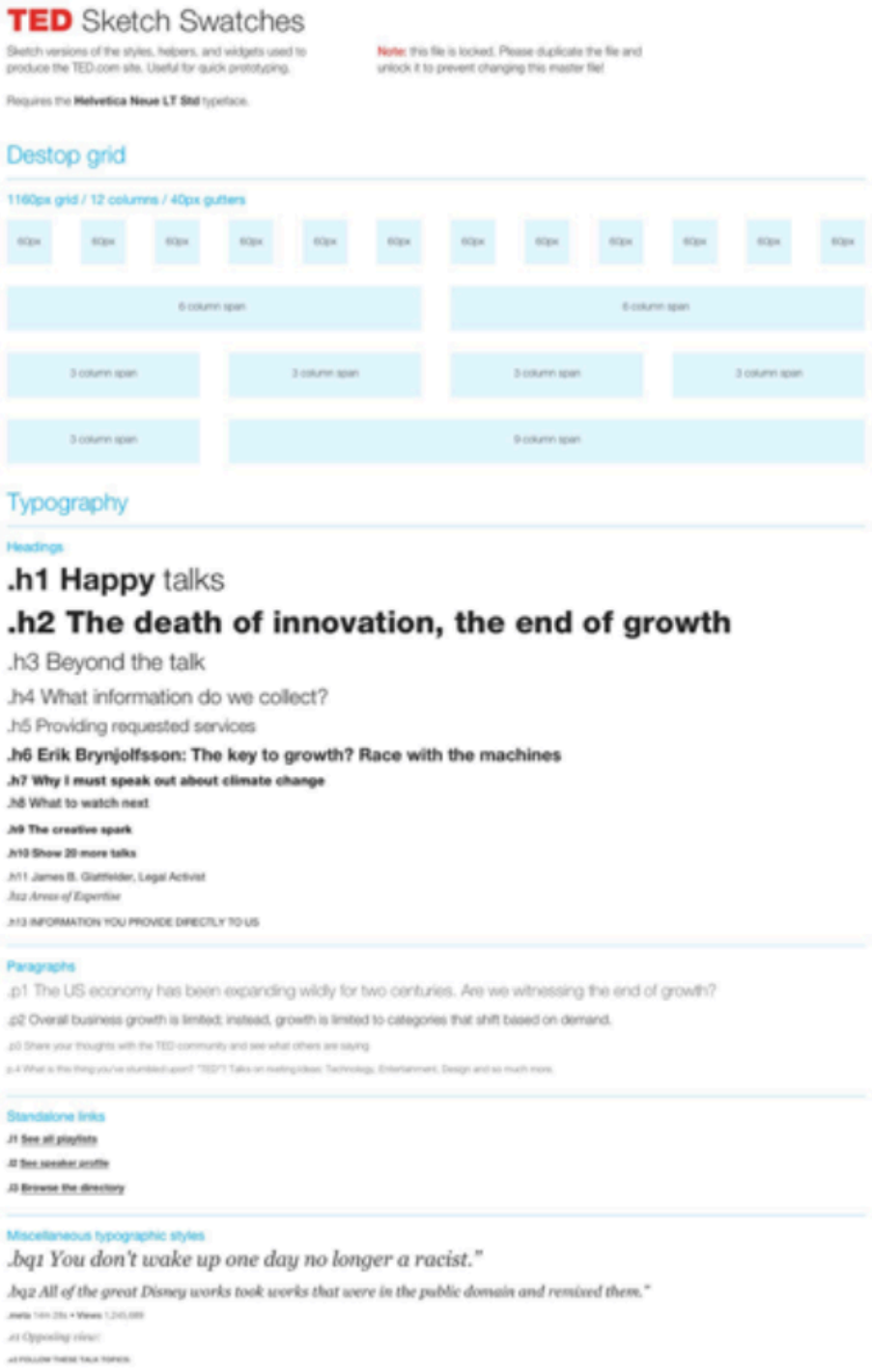
Integrated

ORGANIZATION

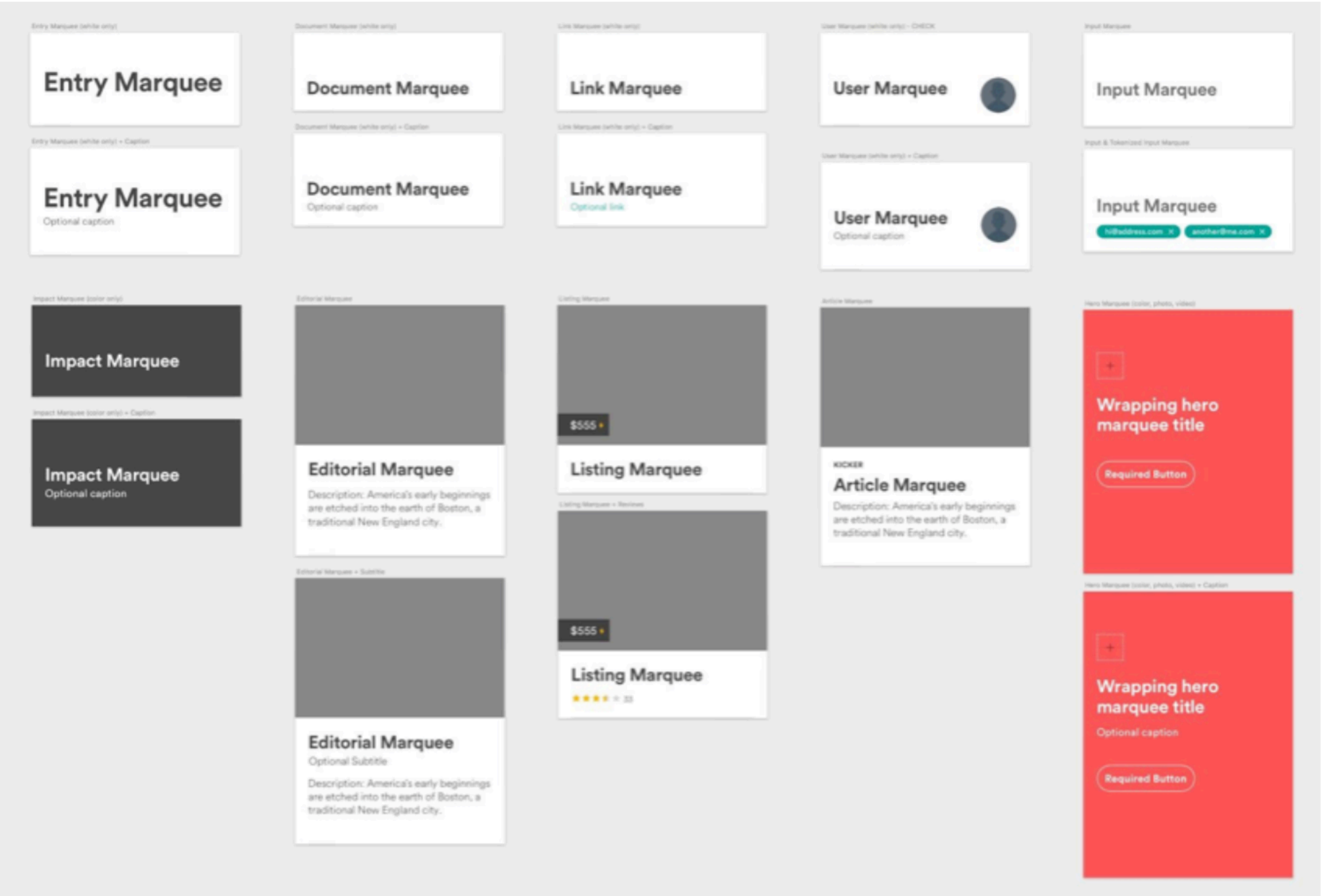
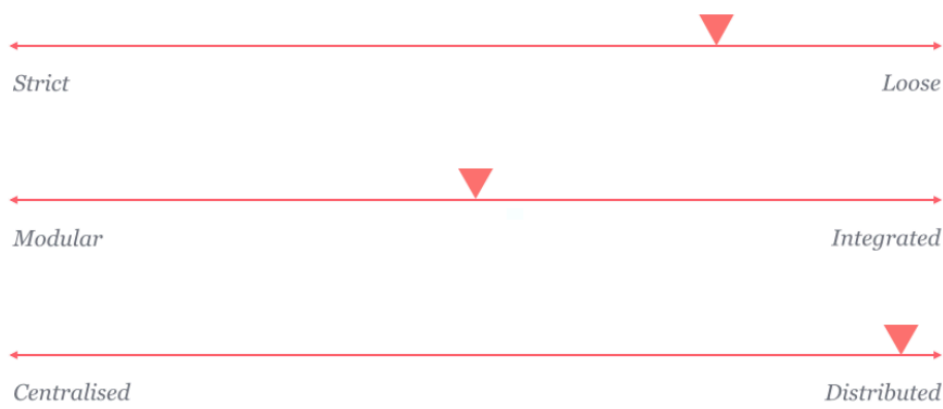


Centralised

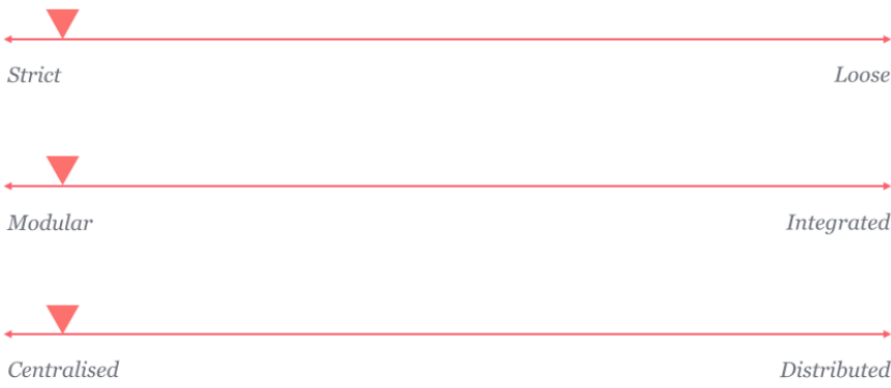
Distributed



Some of the TED’s swatches, saved in a Sketch file.



“Marquee” module in Airbnb’s master Sketch file.

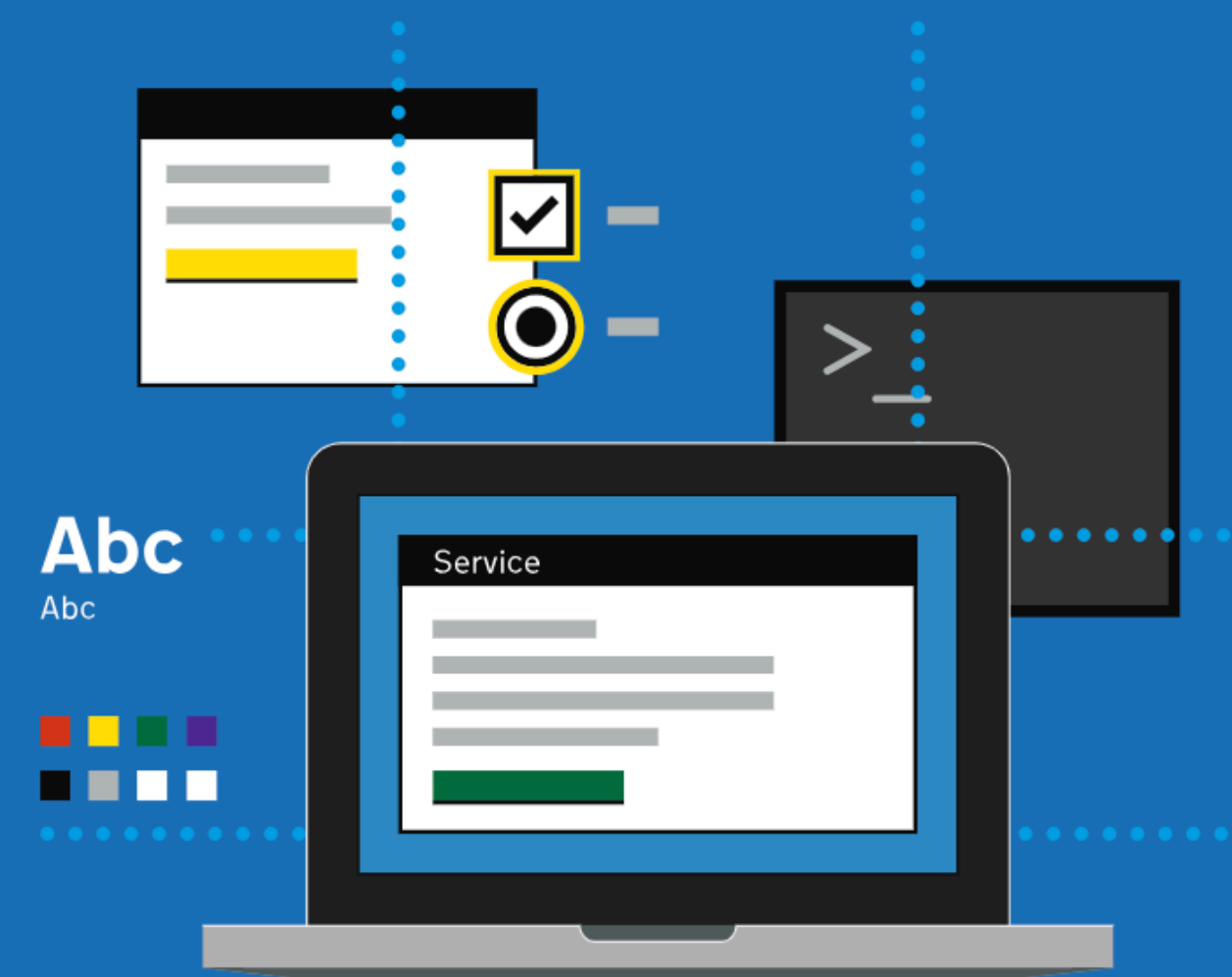


Design a design system for
“Government Websites”

[Get started](#) [Styles](#) [Components](#) [Patterns](#) [Community](#)

Design your service using GOV.UK styles, components and patterns

Use this design system to make government services consistent with GOV.UK. Learn from the research and experience of other service teams and avoid repeating work that's already been done.

[Get started >](#)

What's new

6 July 2023: We've released GOV.UK Frontend v4.7.0. With this feature release, we've added a new component called [Exit this Page](#) to help users quickly exit a page or service. We've also made visual improvements to some components and done some minor fixes.

[Read the full release notes for more details.](#)

[Sign up to get update emails about the Design System.](#)



sgds v2.1.0

Build your next best digital experience for Singapore

The Singapore Government Design System was developed to empower teams in creating fast, accessible and mobile-friendly digital services.

Get started

Install SGDS

Core icons

Iconography uses images and symbols to represent an object visually



camera



file



lock



chevron-down



attachment



file-plus



unlock



chevron-left



chevron-right



chevron-up



check



plus



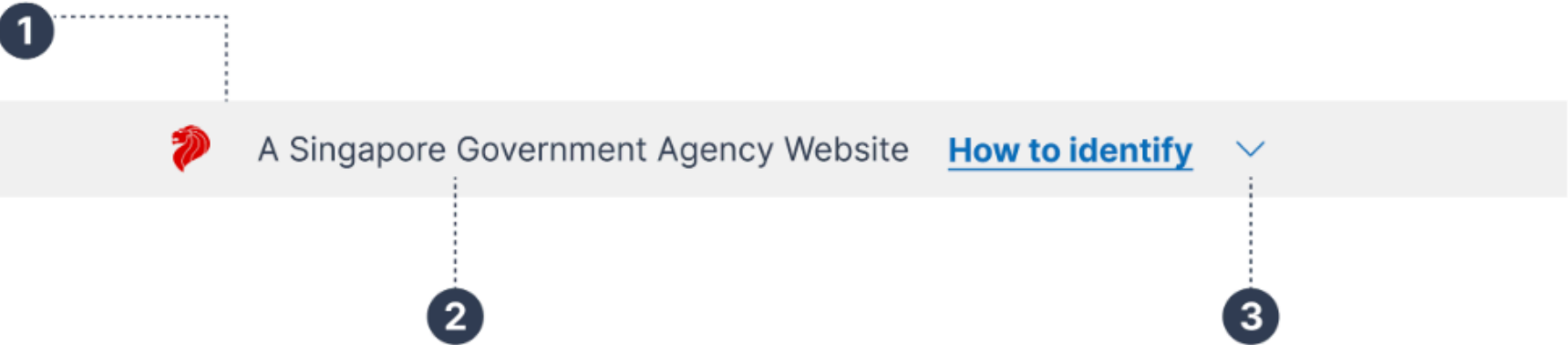
dash



cross

Anatomy

- 1. **Container:** Takes on the length of the browser
- 2. **Text:** Serves to inform the user that the website is a official Singapore Government website. The wording should not be edited in anyway
- 3. **Dropdown:** Serves to inform the user on how to identify official Singapore Government websites





GET STARTED 

OUR USERS

FAQ

GUIDE 

GITHUB 



We've recently launched IsomerCMS to make it easy for users to edit their site. Find out more about the CMS in [our guide](#)!



Isomer

Rapidly launch informational sites for your agency

CONTACT US

530+
SITES LAUNCHED

70+
AGENCIES

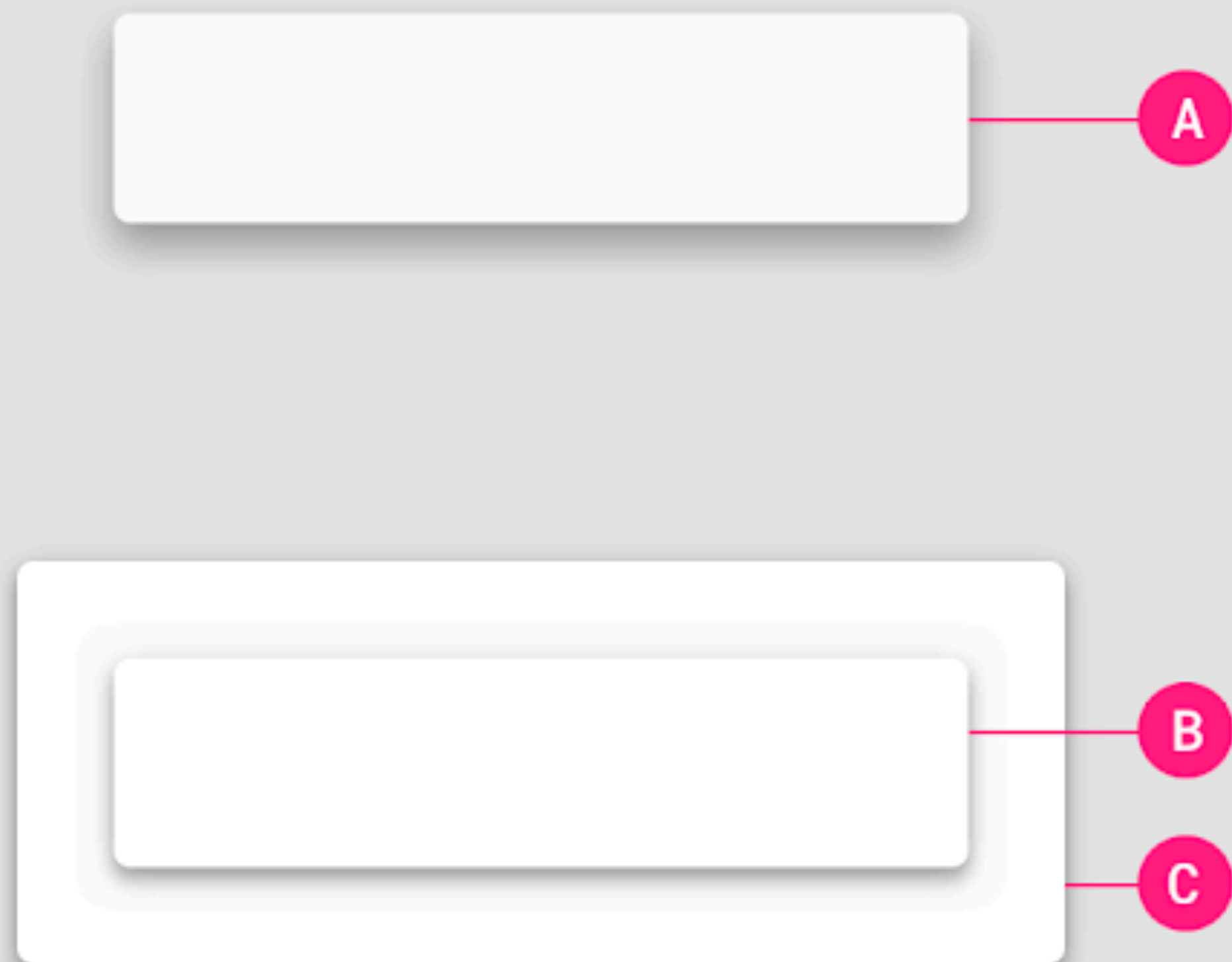
99.99%
UPTIME

Design a design system for
“Government Websites” → “Thais”

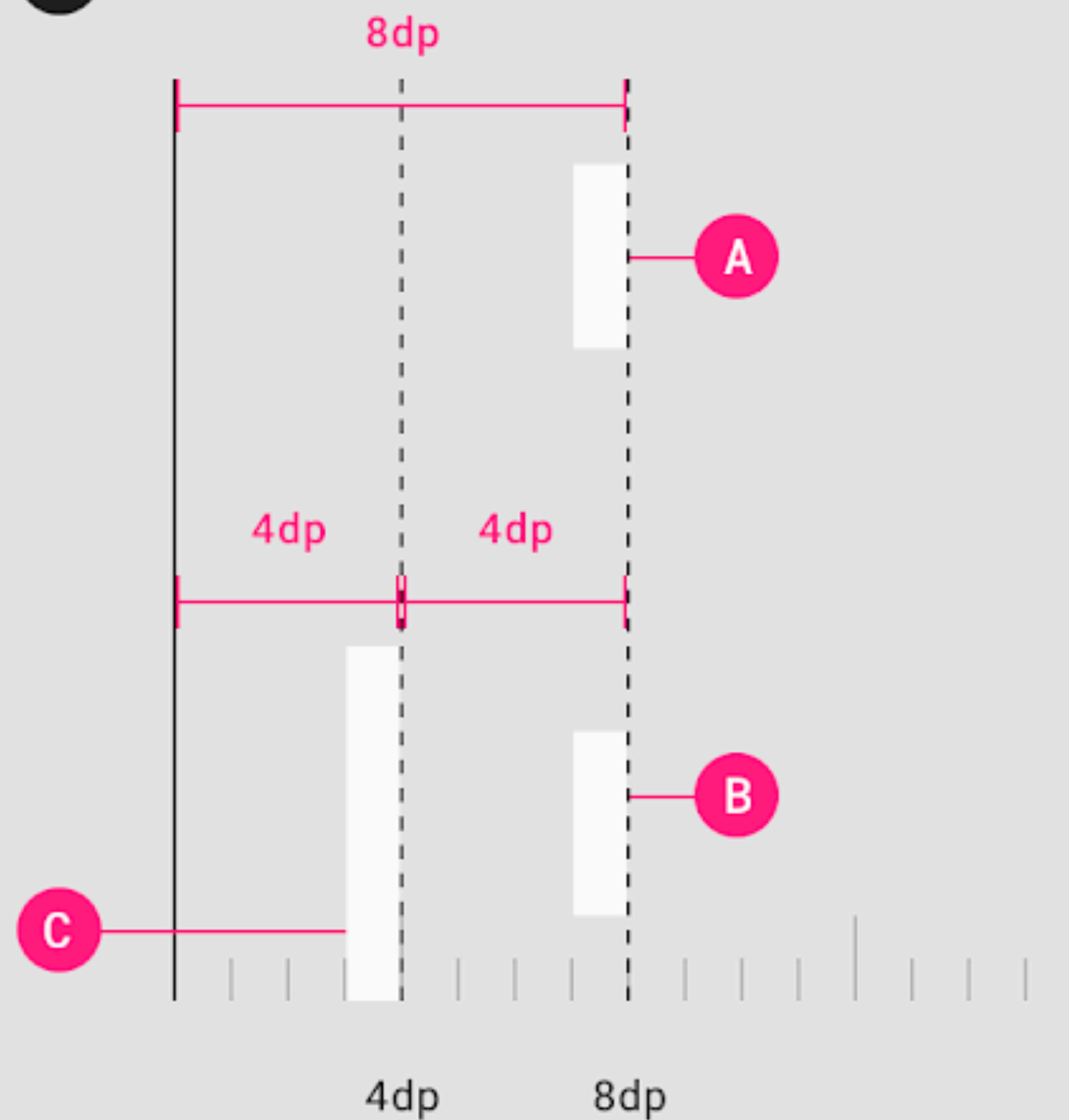
Typical Design Systems
are crafted for Companies
and Organizations

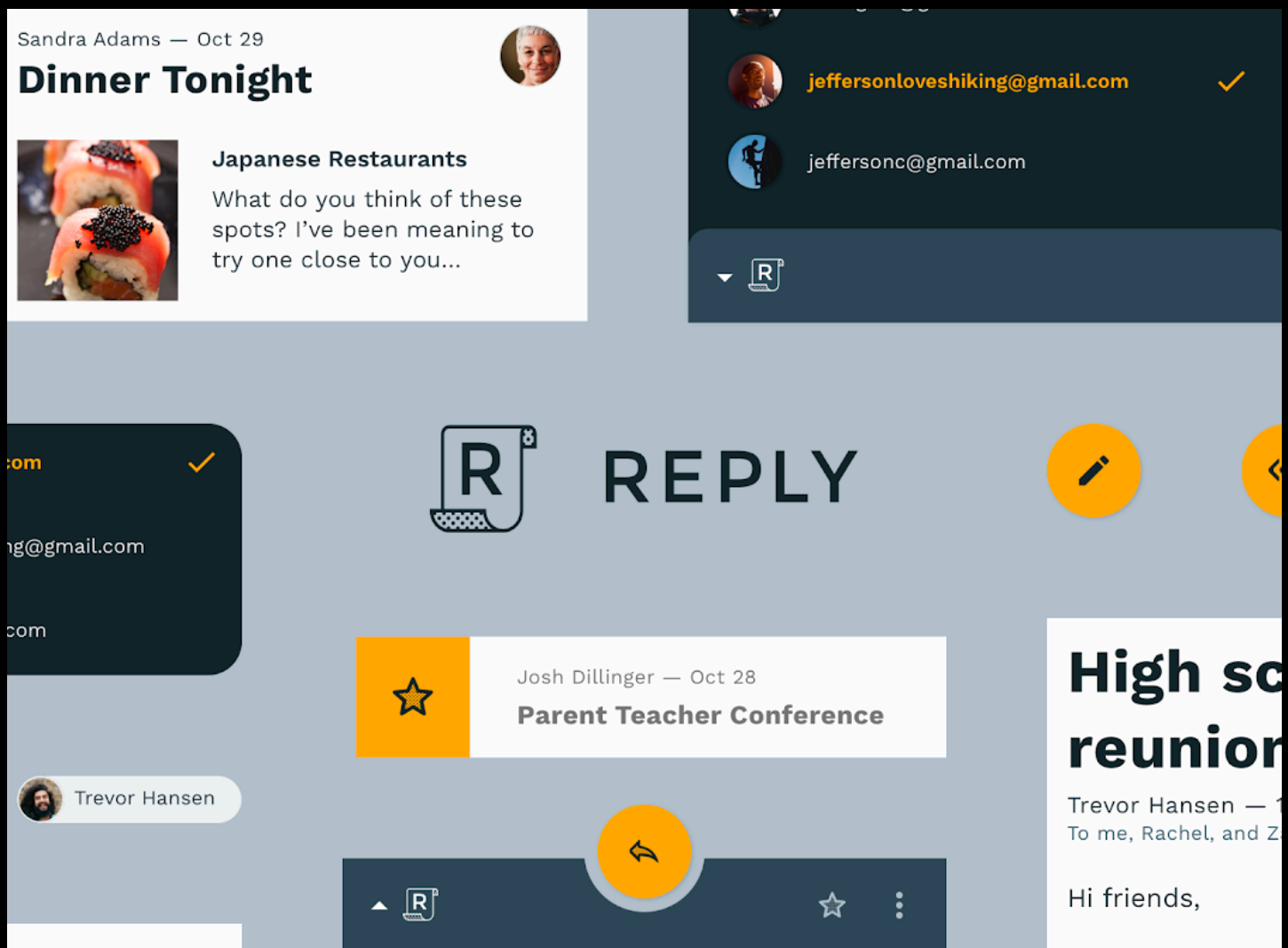
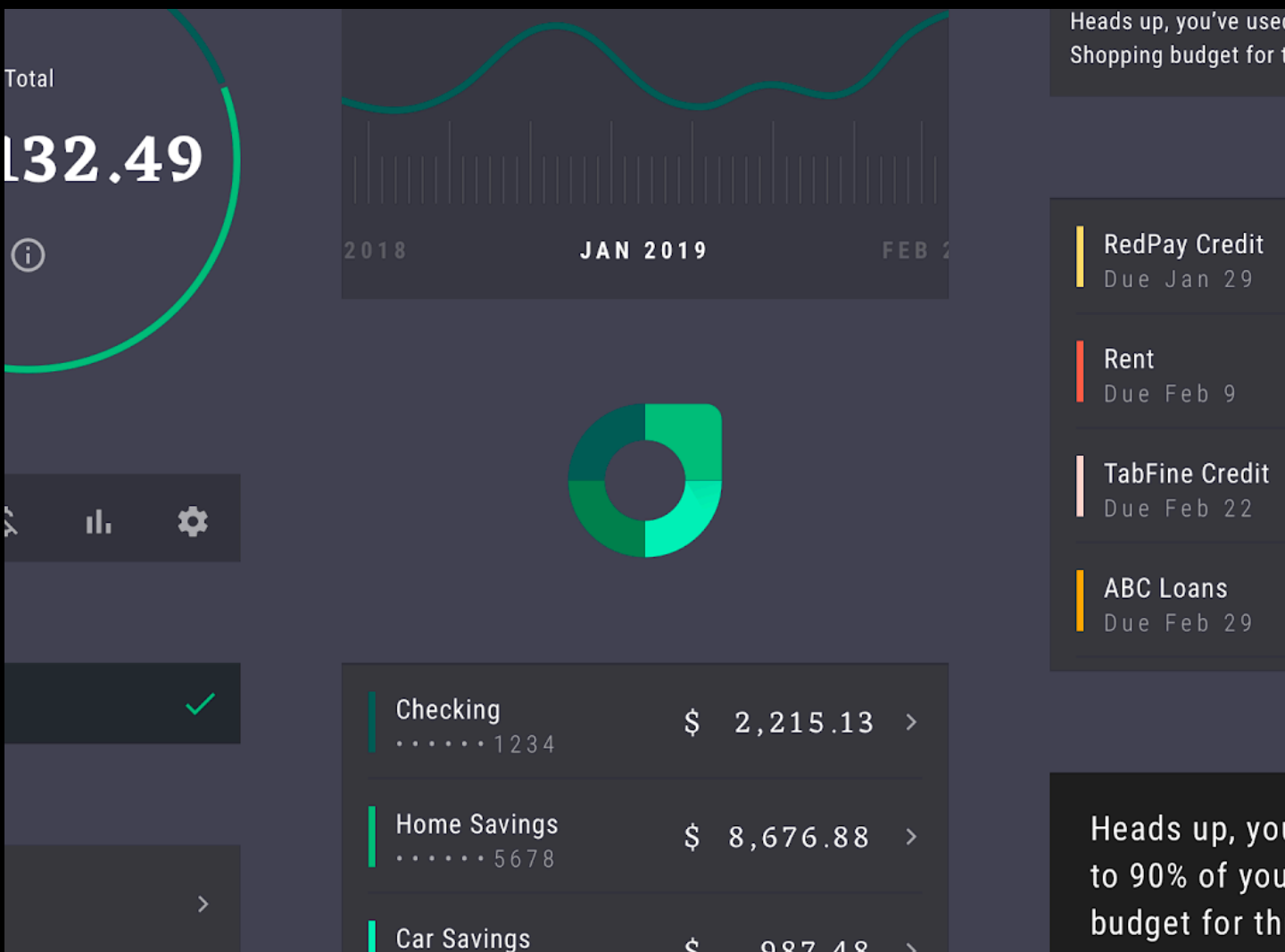
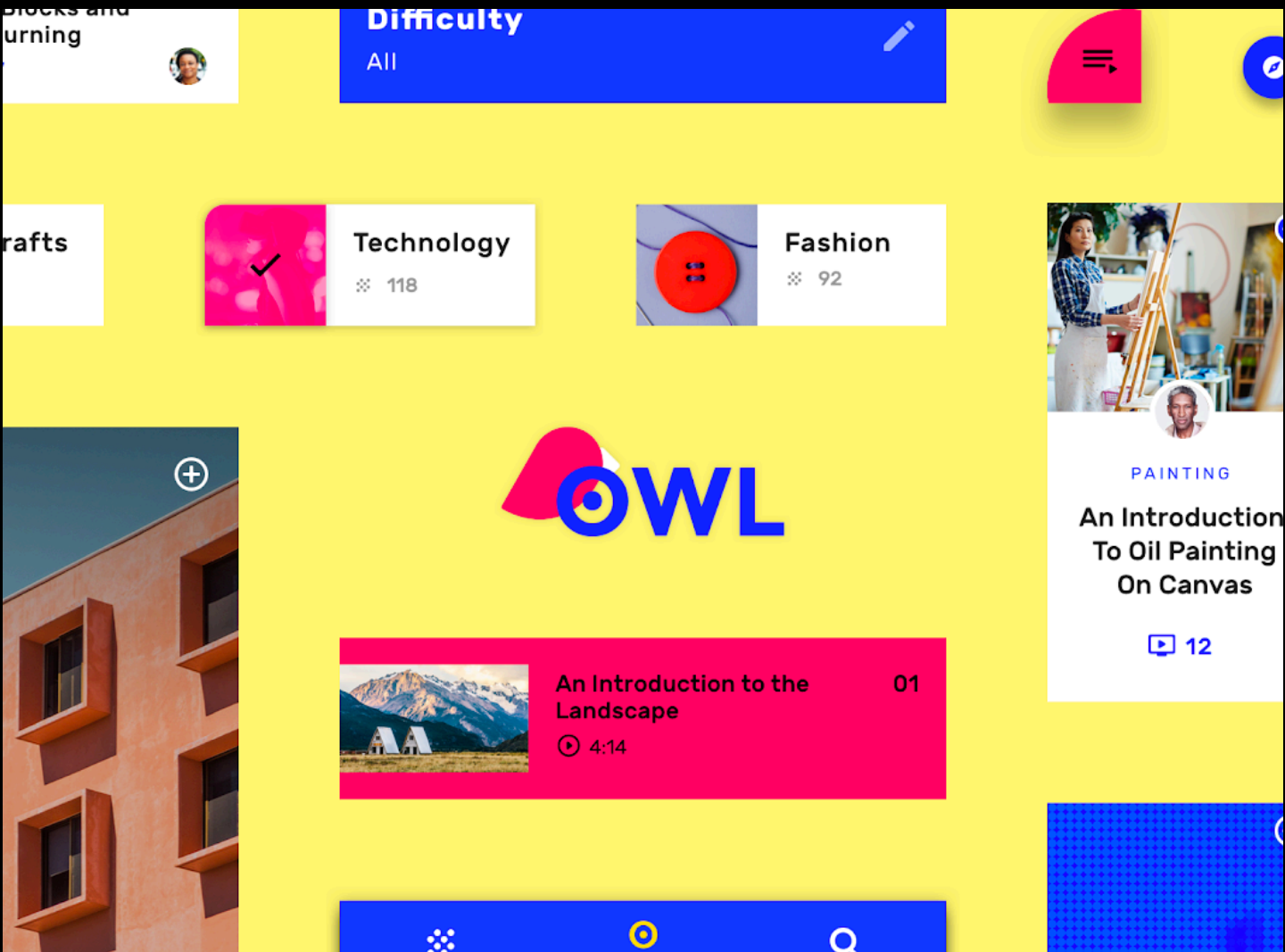
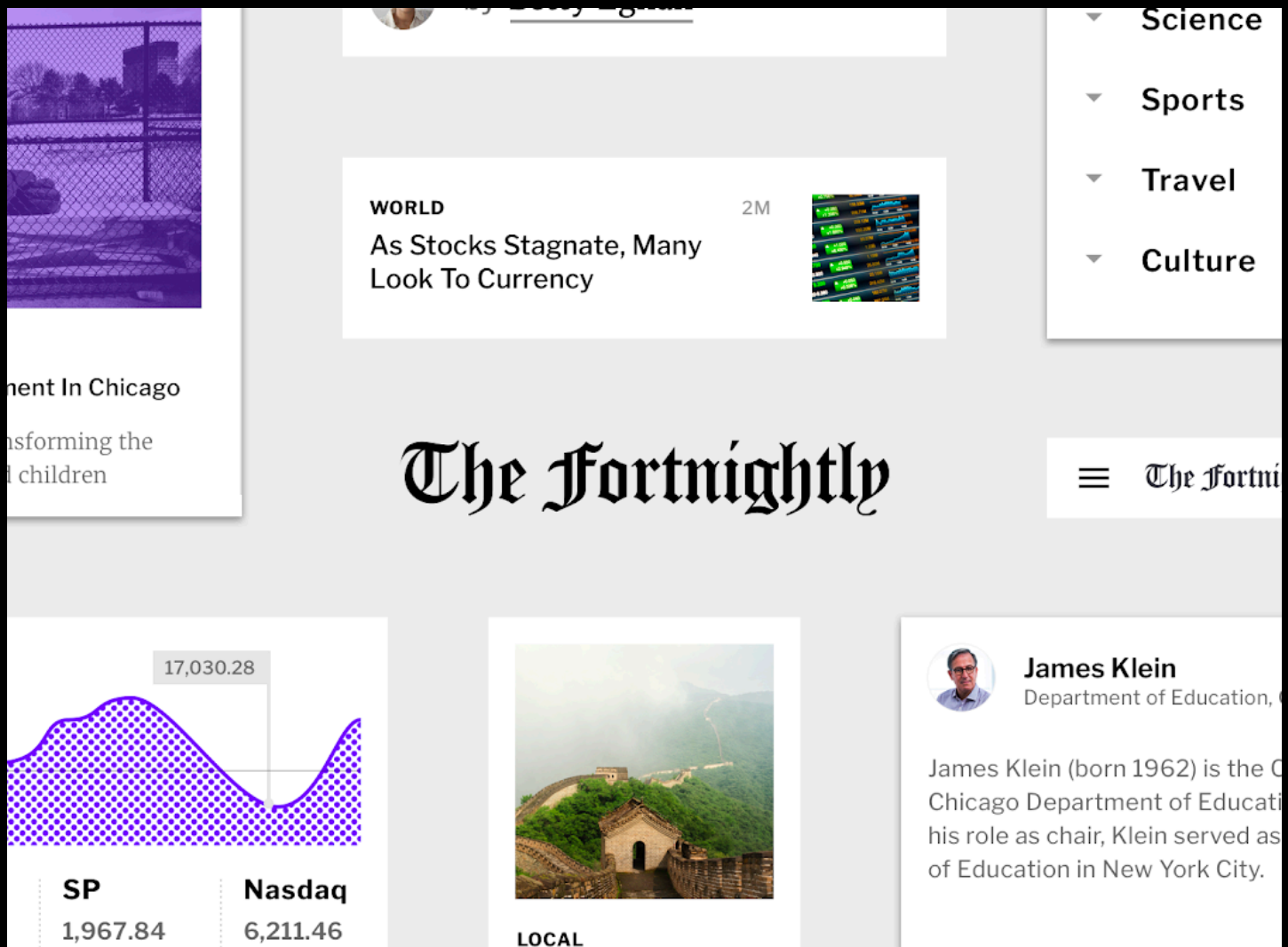
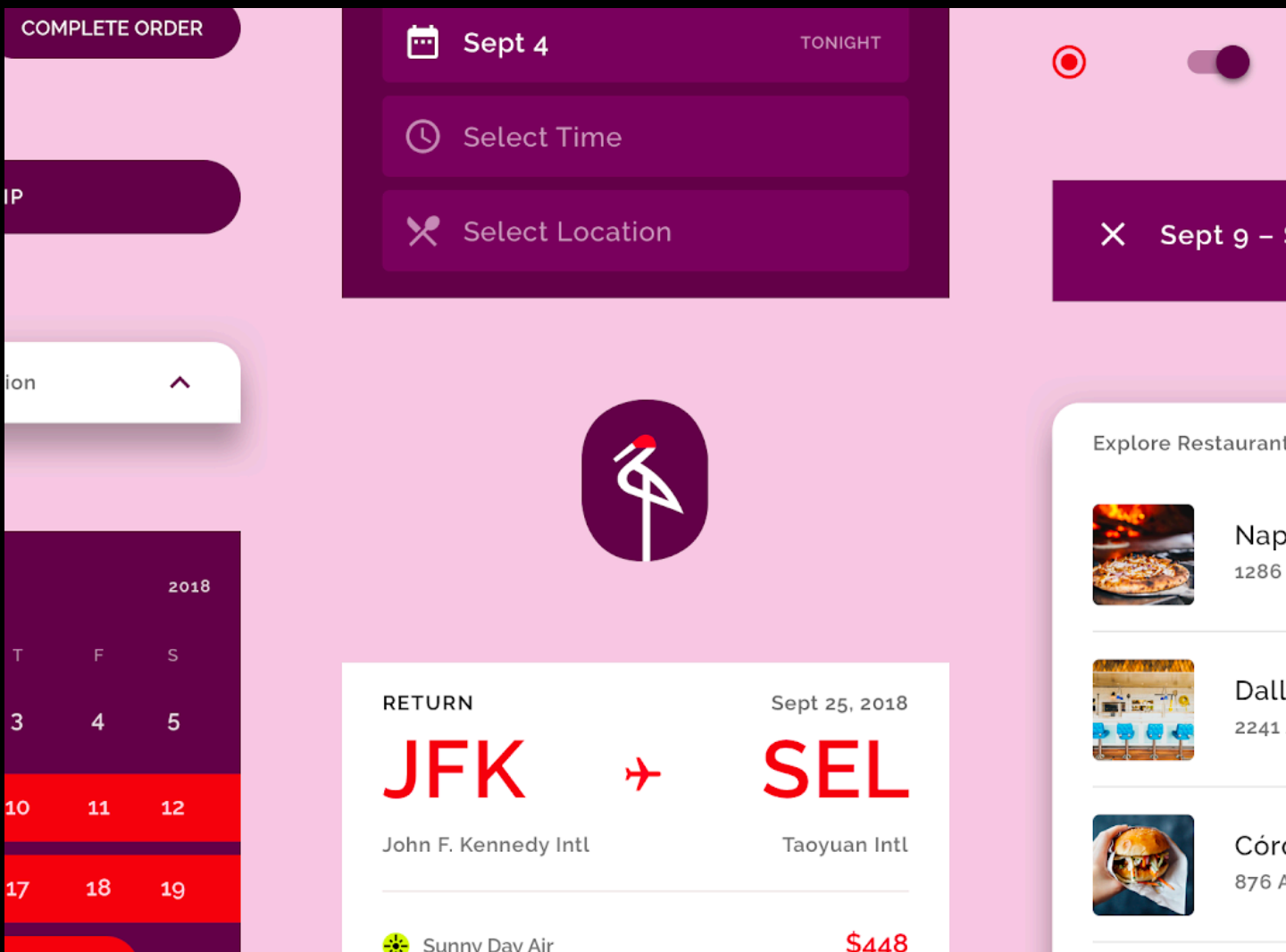
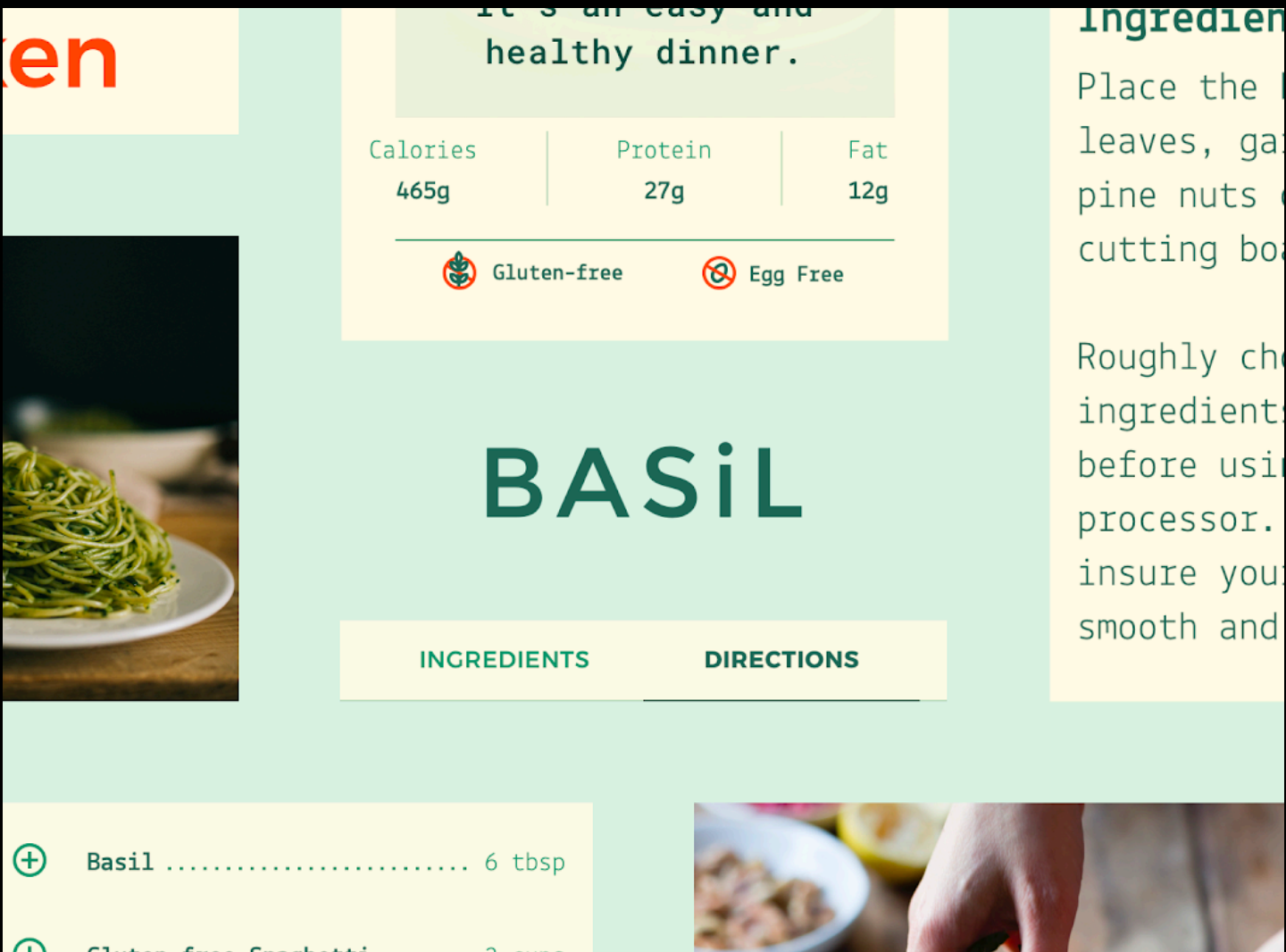
How can we design a
“Design System for all “Thais”?

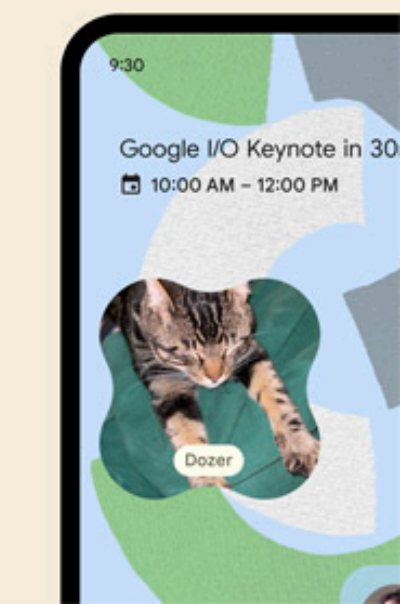
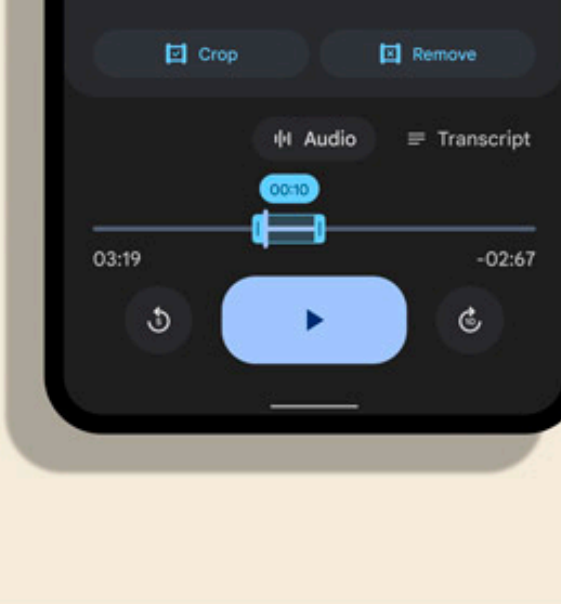
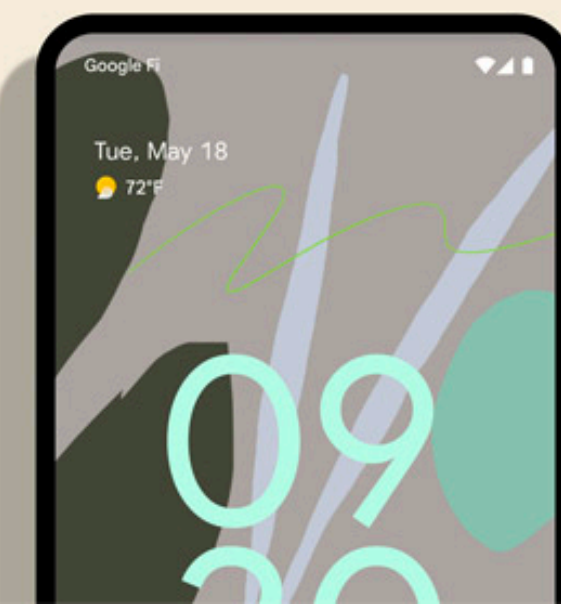
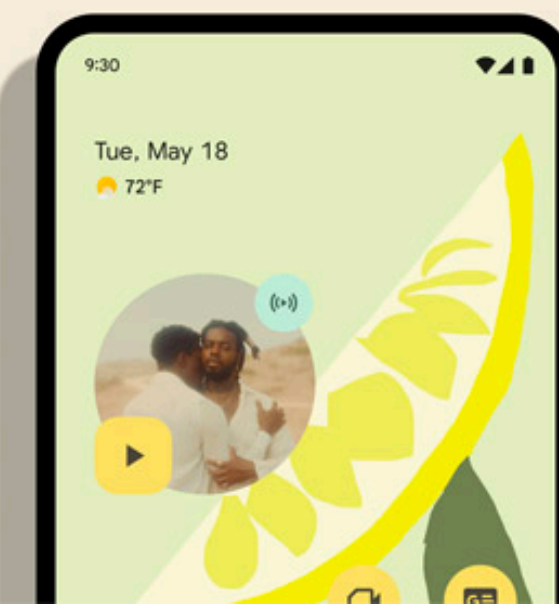
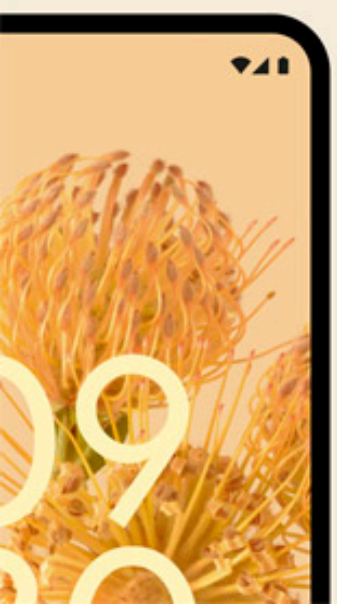
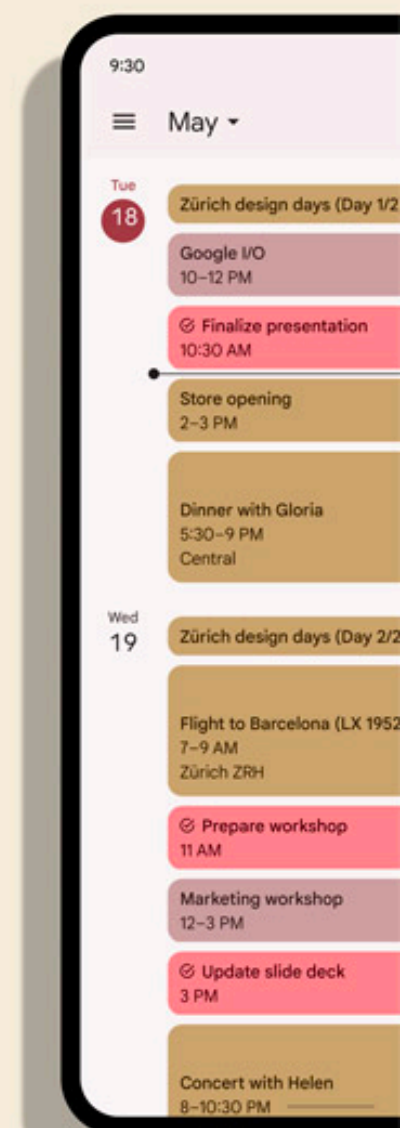
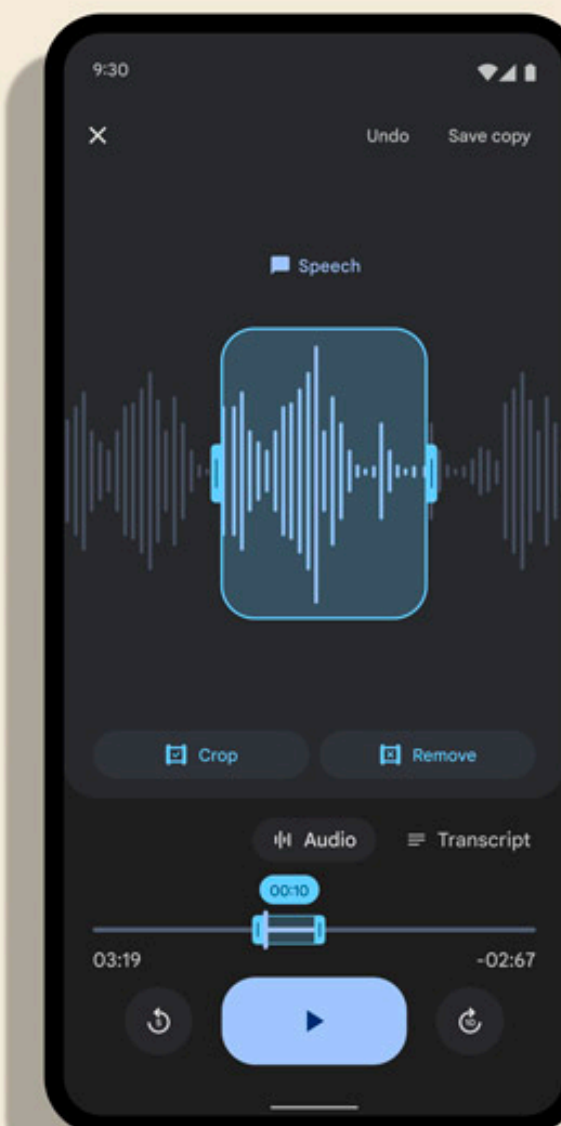
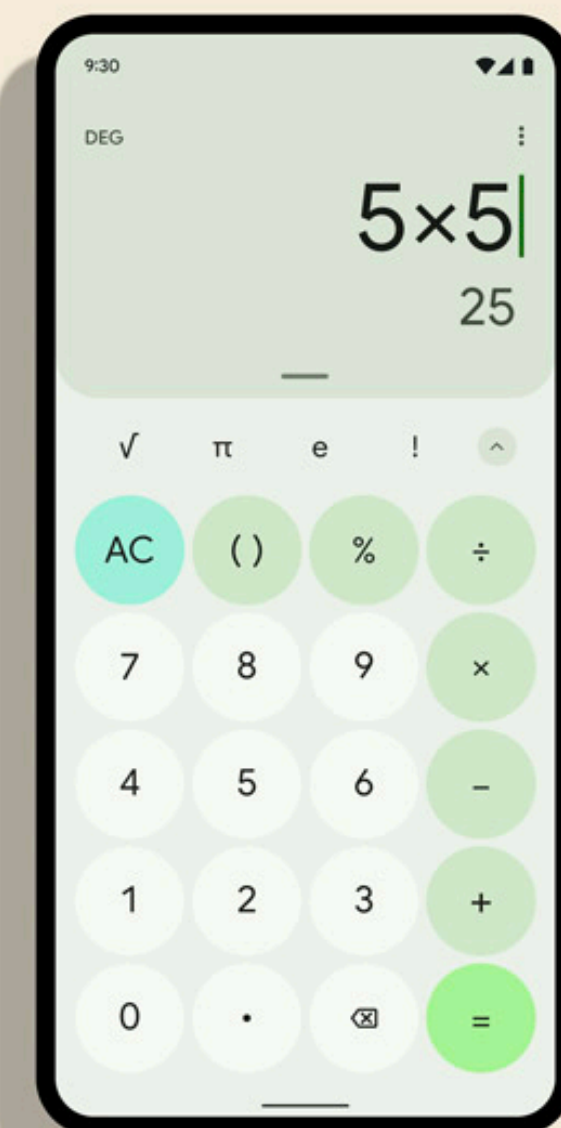
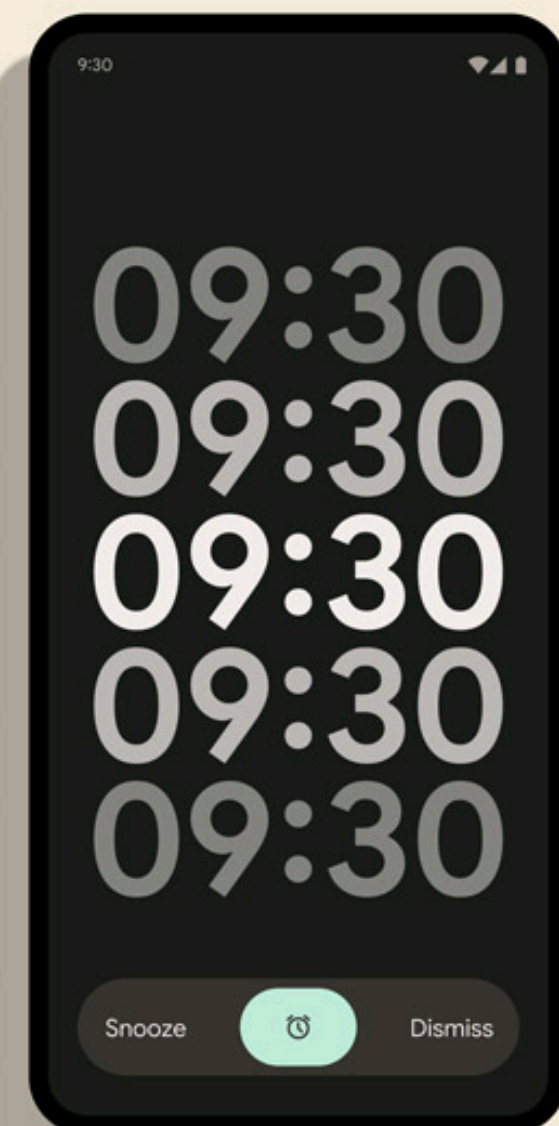
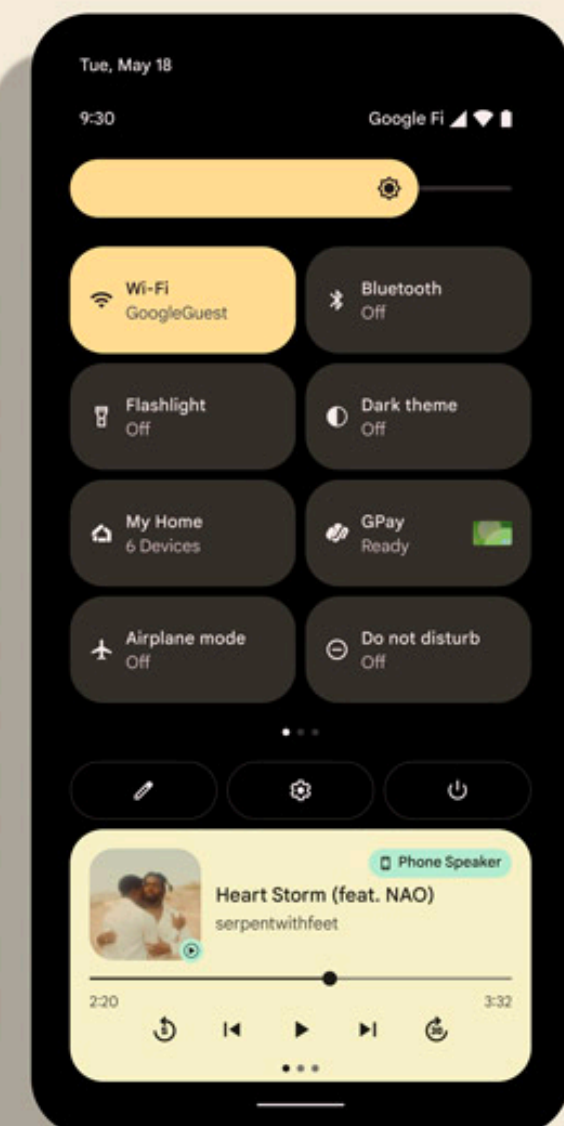
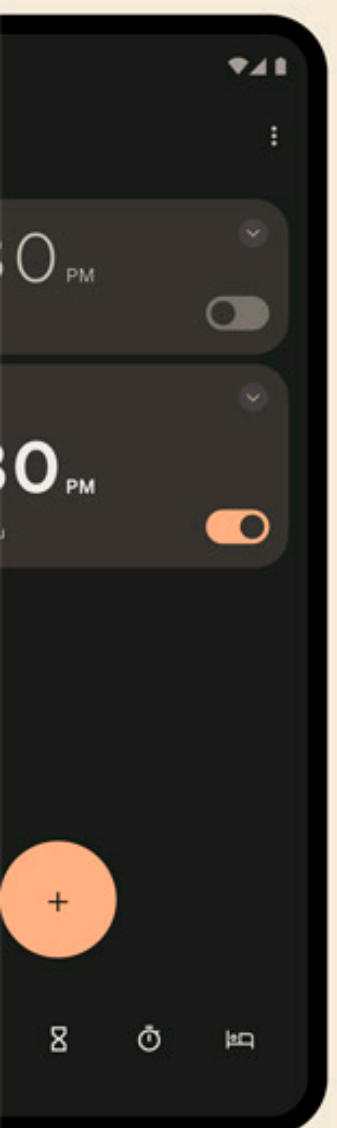
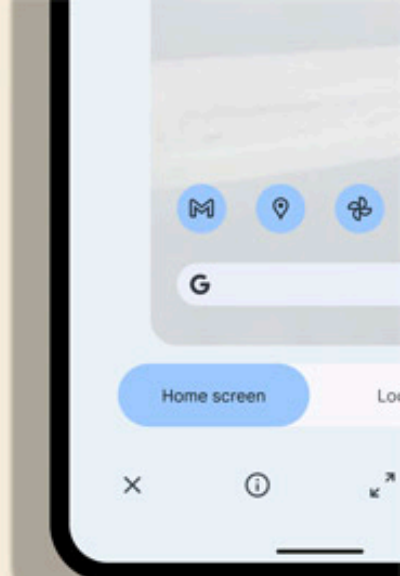
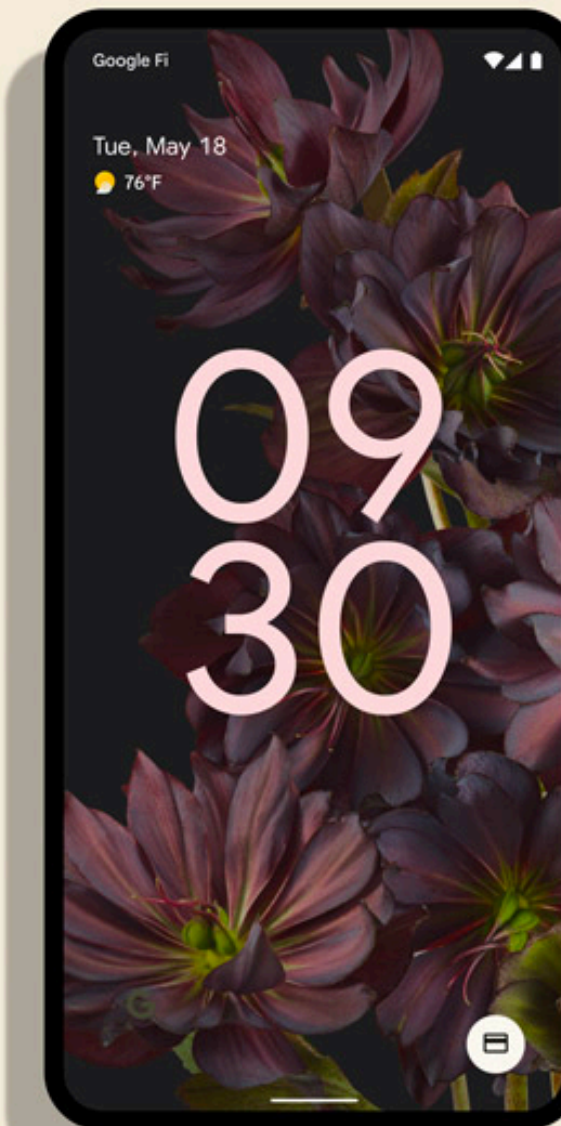
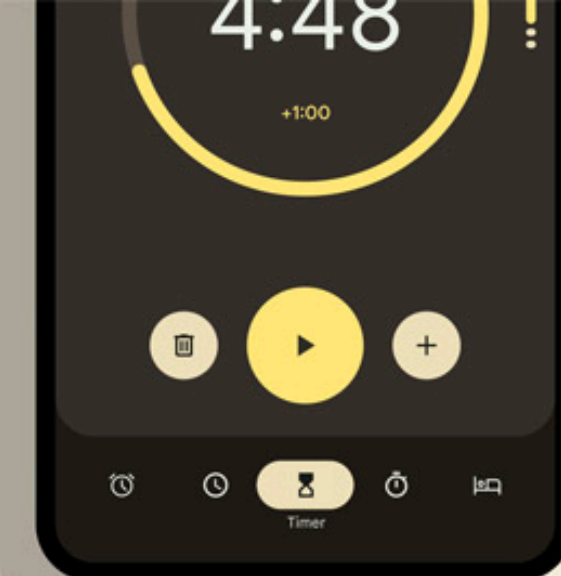
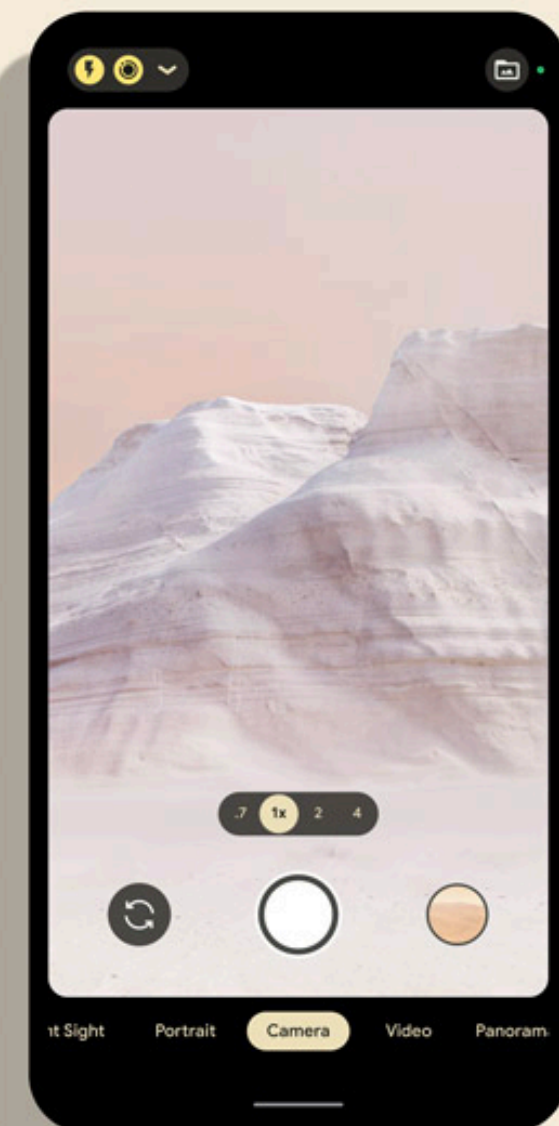
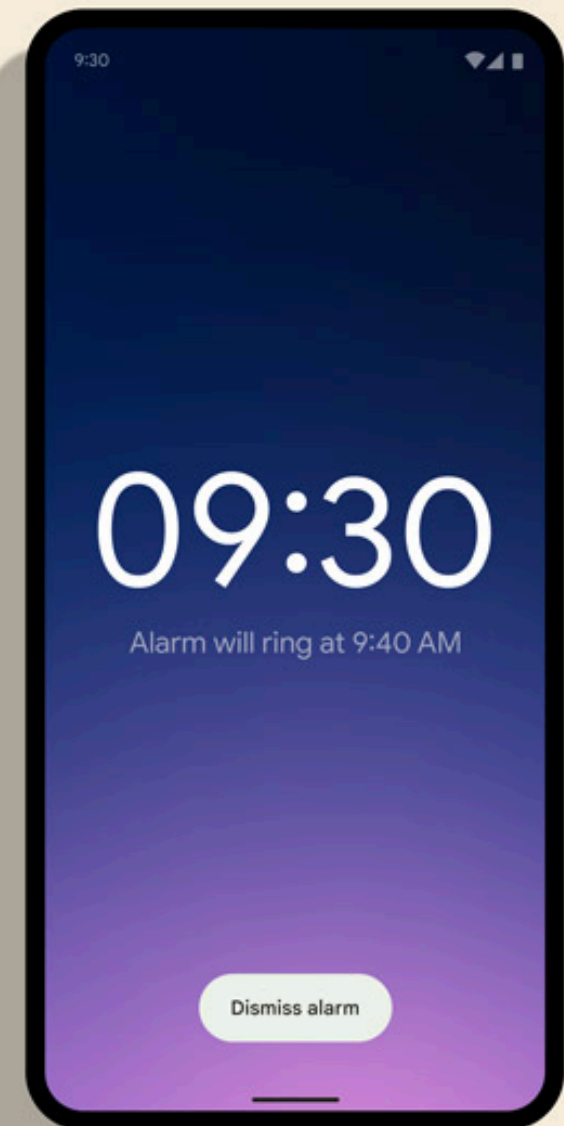
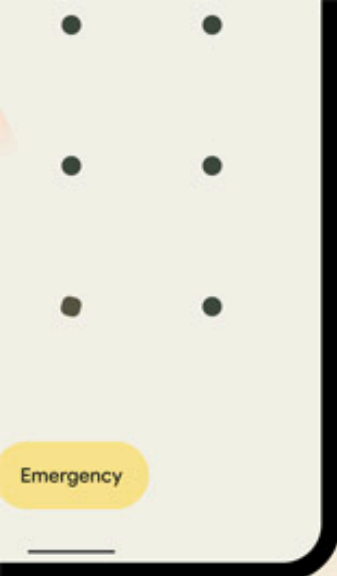
1





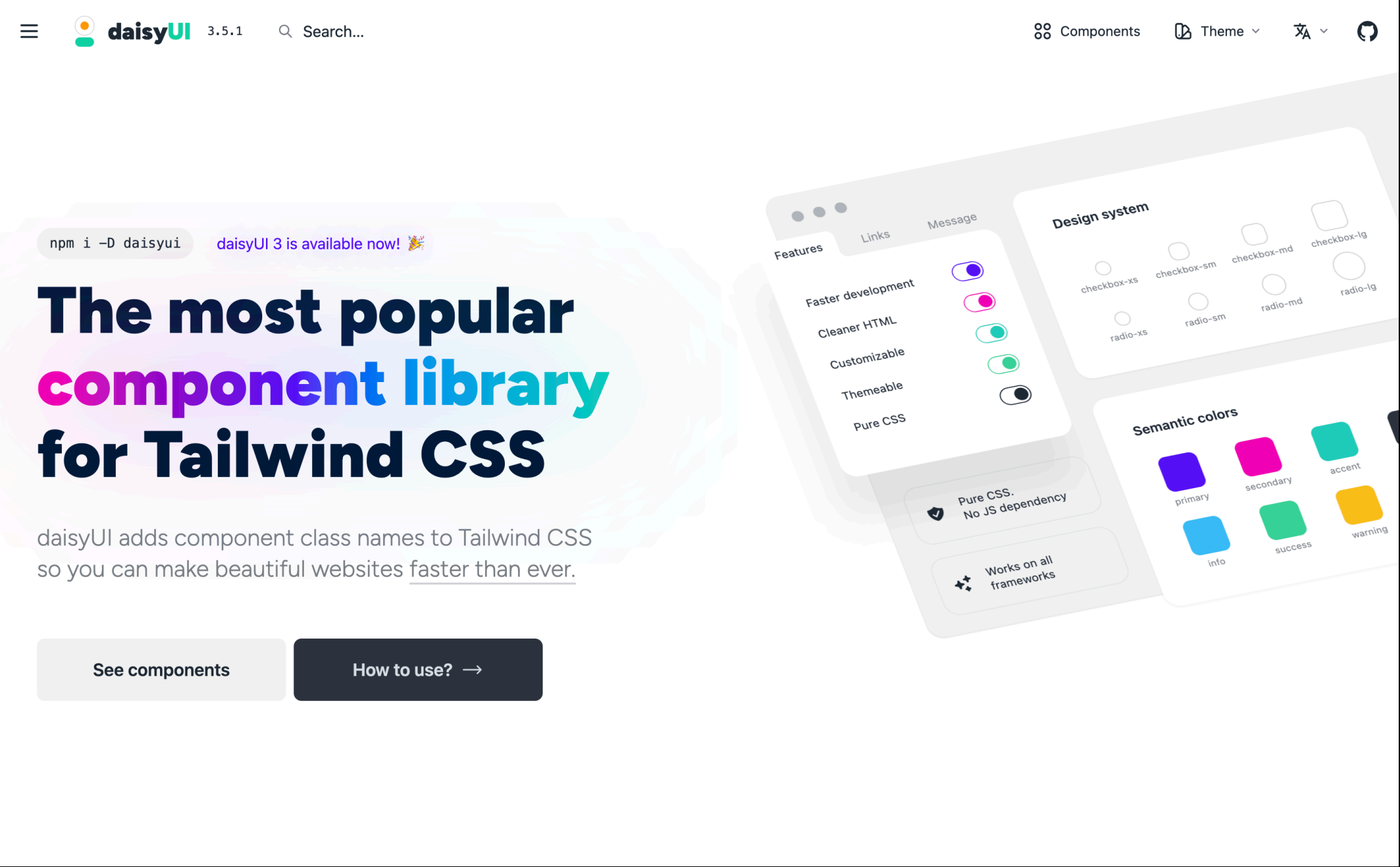
2



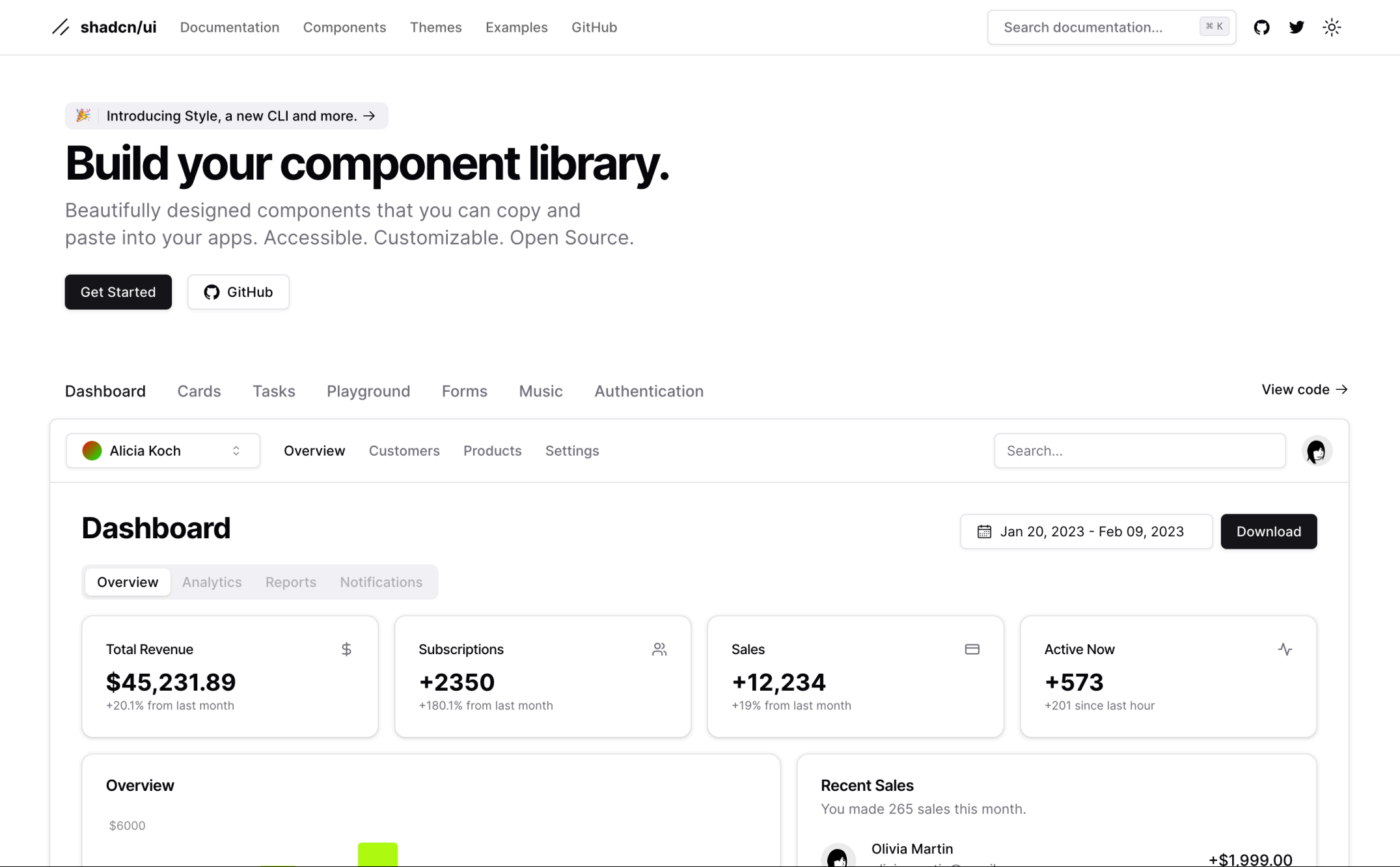




 Utility ↔  Identity



daisyUI



shadcn/ui



Design System Engineering

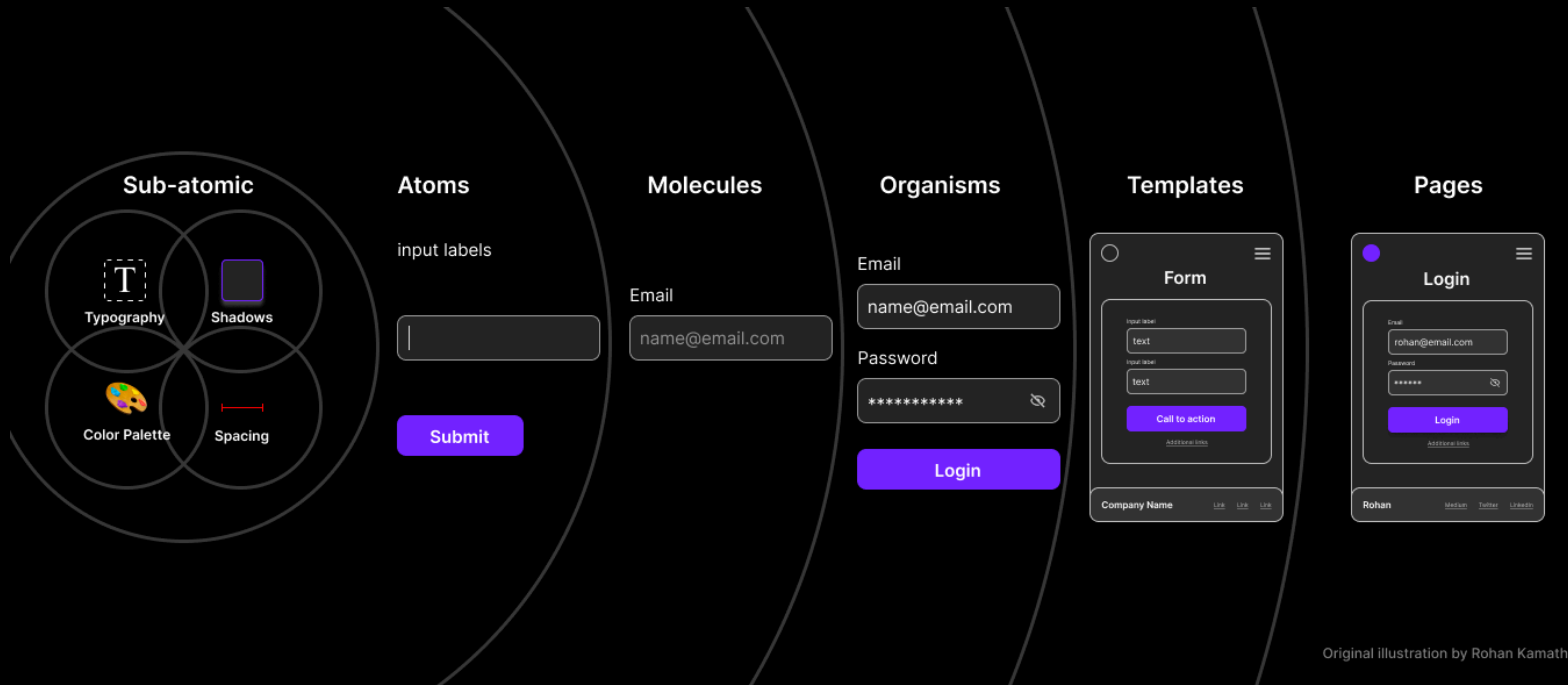
Strong defaults, strong opinions.

Works with any framework.

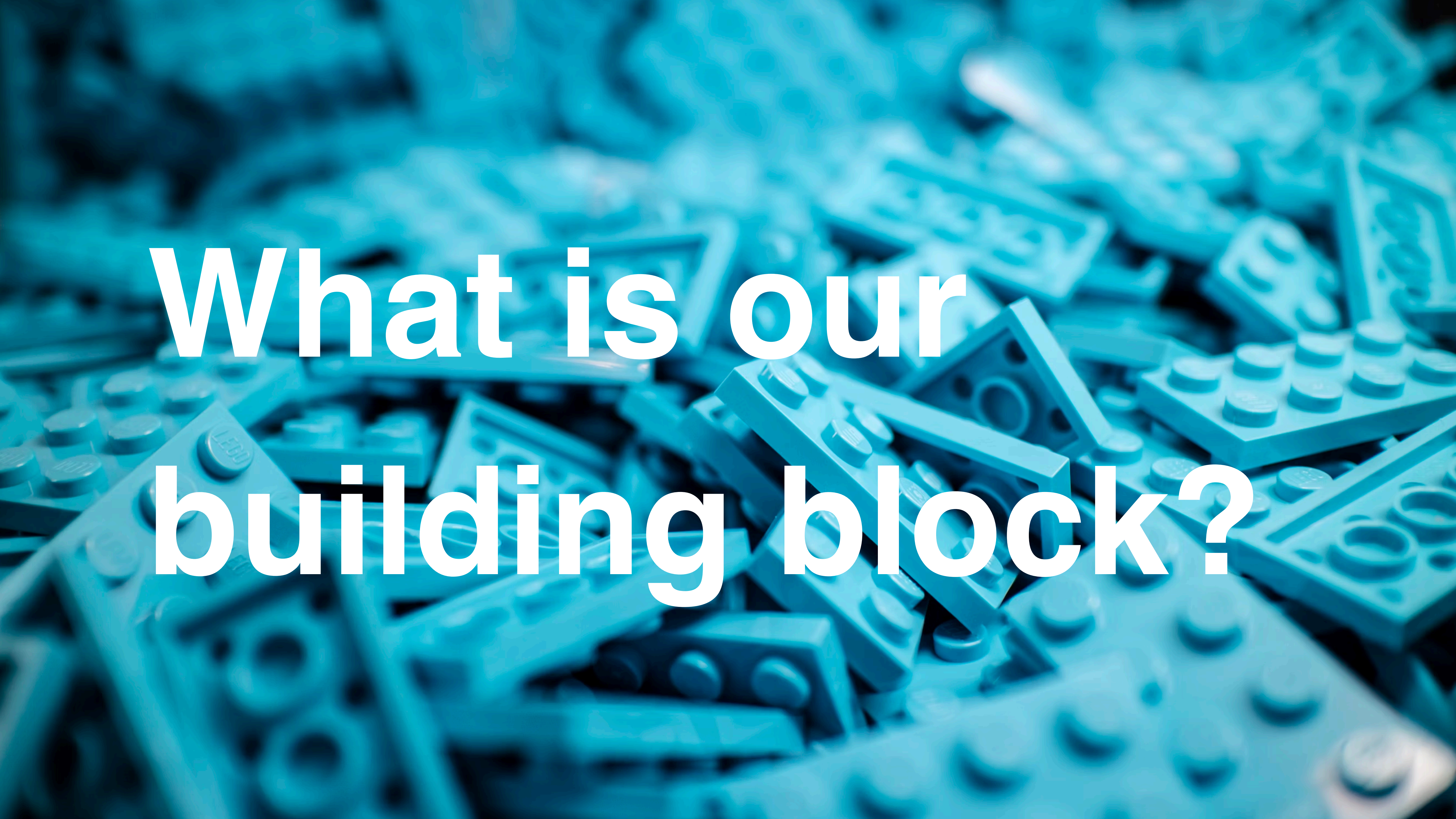
Easy to override.

Good developer experience.

Easy to maintain and contribute.



Original illustration by Rohan Kamath



**What is our
building block?**

What are the **fundamental building blocks** to build our design system?



Geist

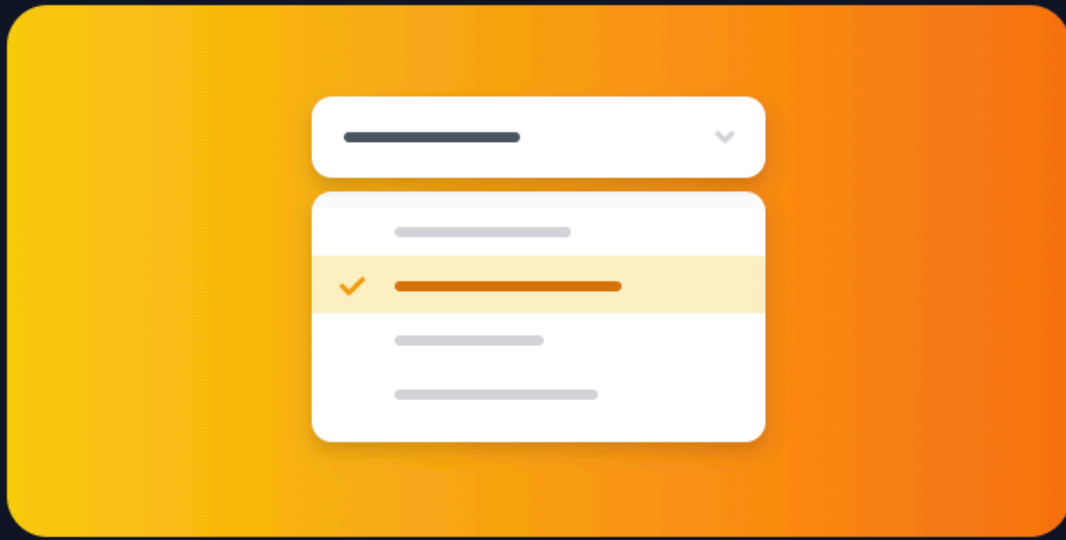


Completely unstyled, fully accessible UI components,
designed to integrate beautifully with Tailwind CSS.

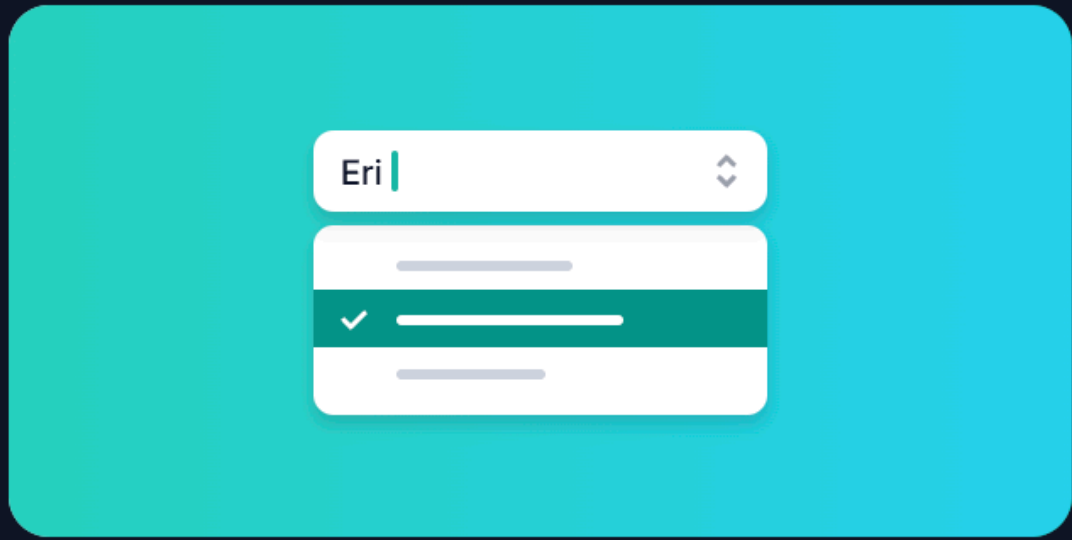
React Vue



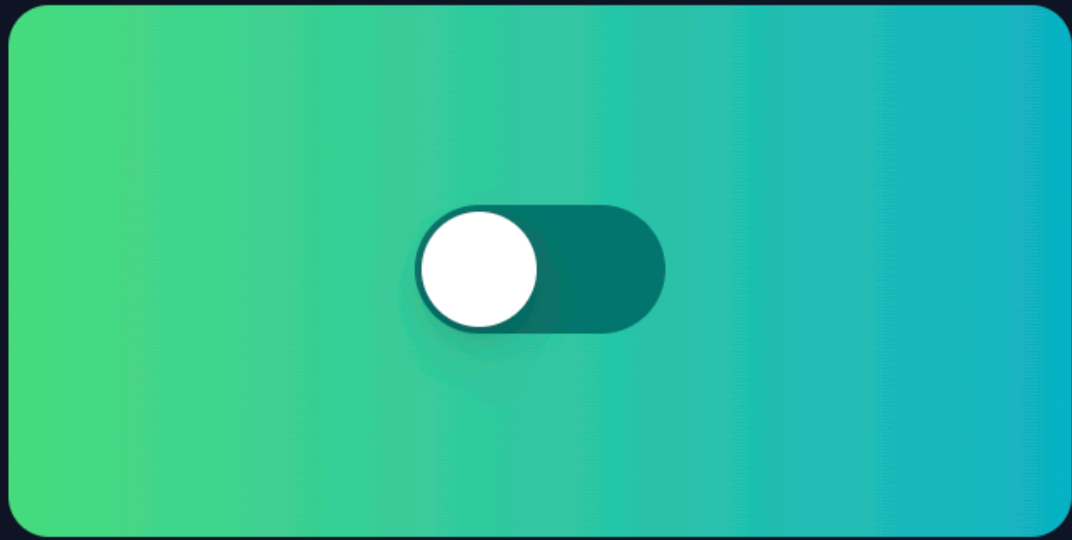
Menu (Dropdown)



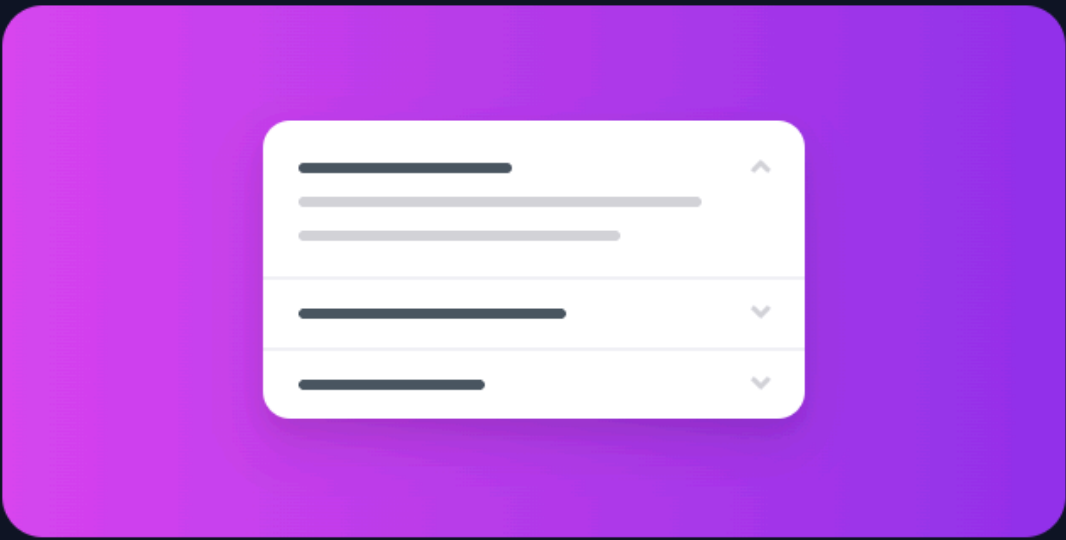
Listbox (Select)



Combobox (Autocomplete)



Switch (Toggle)



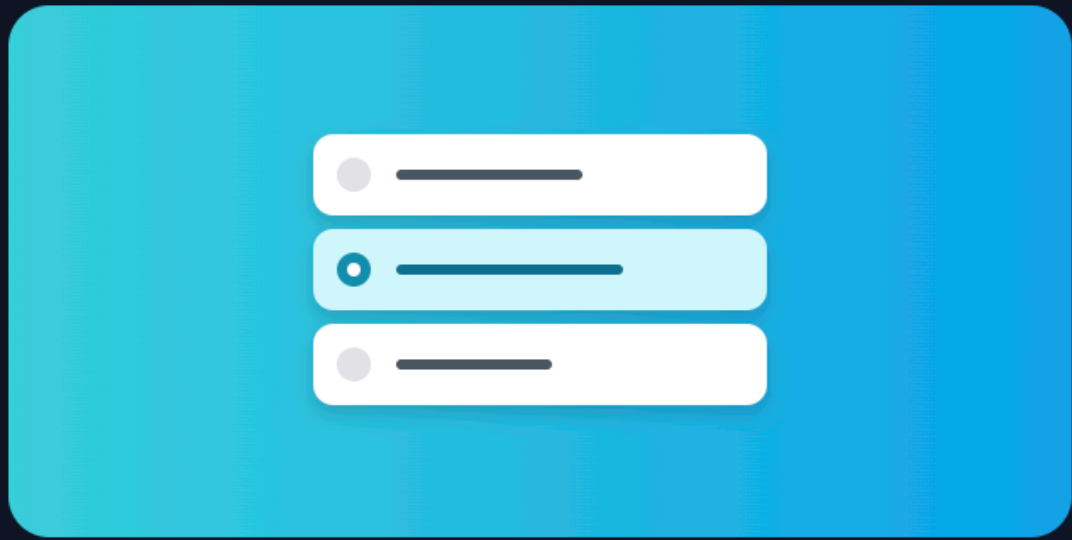
Disclosure



Dialog (Modal)



Popover



Radio Group

Core building blocks for your design system

Unstyled, accessible, open source React primitives
for high-quality web apps and design systems.

[Get started →](#)

×

Edit Profile

Name

Pedro Duarte

Username

@peduarte

Save

Dialog

Options ▾

New Tab

New Window

Favorites ▸

Downloads

✓ Show Toolbar

Show Full URLs

Dropdown Menu

Dimensions

×

Width

100%

Height

20vh

Margin

0

Padding

10%

Popover



Slider

GENERAL

Text

Button

Code

Icons

LAYOUT

Grid

Page

Spacer

SURFACES

Card

Collapse

Fieldset

DATA ENTRY

AutoComplete

Button Group

Checkbox

Input

Radio

Select

Slider

Textarea

Text

Display text using well-defined typographic styles.

Headings

Use ``Text`` to standardize text content.

Start our Geist journey.

> Code Editor

Paragraph

Add ``p`` and ``b`` attributes to a ``Text``.

Caching is very important for fast Web sites. This article describes different methods of caching and how to use HTTP Headers to control them.

A brief description of the changes between the early versions of HTTP, to the modern HTTP/2, the emergent HTTP/3 and beyond.

> Code Editor

Small



Geist



Setup

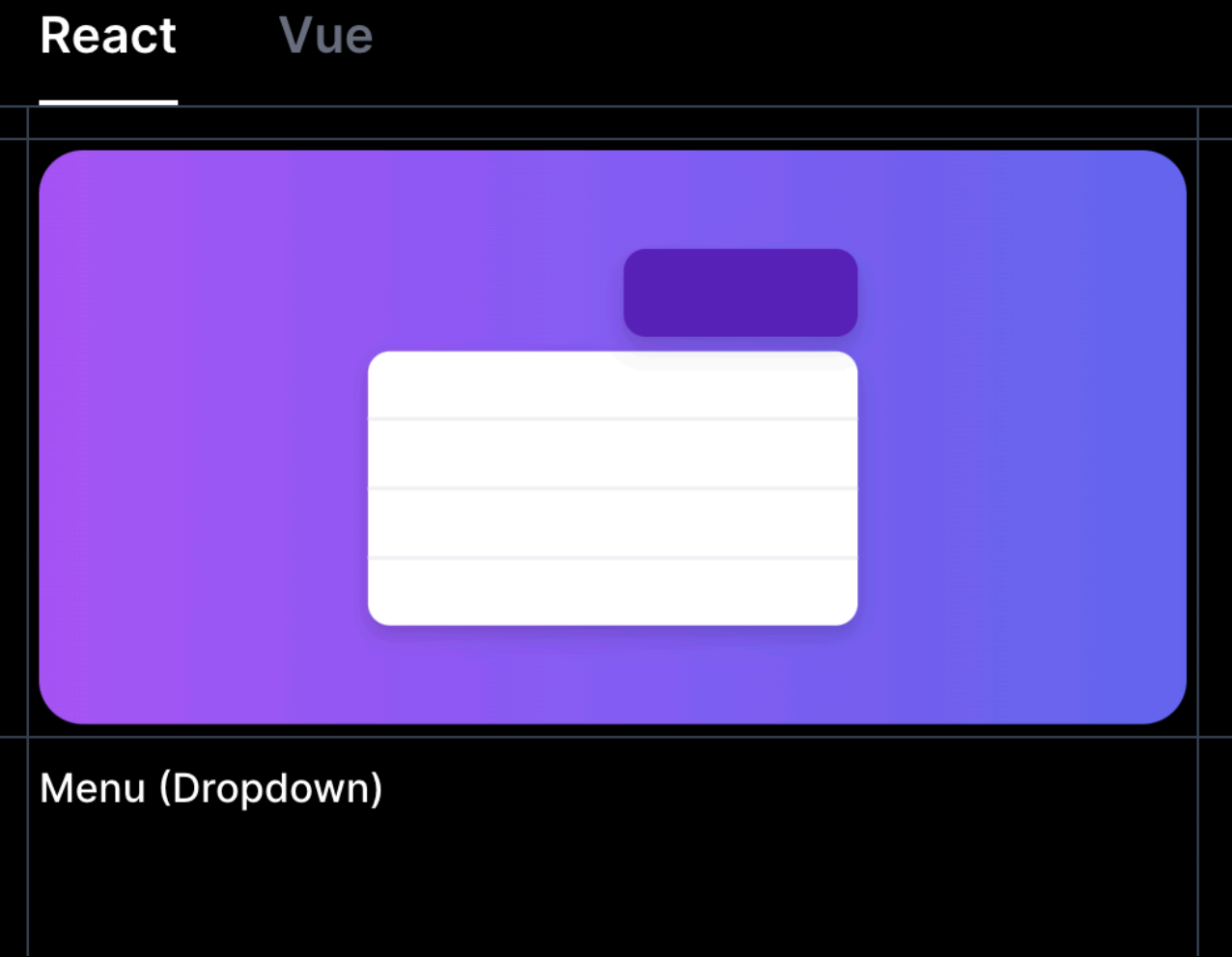
Ensure your have the latest [NodeJS](#), and a package manager: [NPM](#) or [Yarn](#).

Also, Geist is based on the component library of framework React, which means you must also understand the basics of how to [create projects](#) with the framework

● Install

Yarn Npm

```
$ yarn add @geist-ui/core
```



Radix Themes is an open-source component library optimized for fast development, easy maintenance, and accessibility. Maintained by @workos.

radix-ui.com/themes

- react
- design-systems
- ui
- accessibility
- colors
- themes
- ui-kit
- component-library
- ui-components
- theme-development
- radix-ui

Setup

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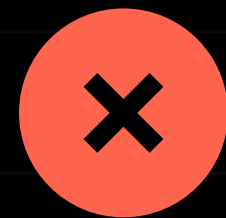
Also, Geist is based on the component library of framework React, which means you must also understand the basics of how to create projects with the framework.

● Install

```
$ yarn add @geist-ui/core
```



Strong default, strong opinions!



Works with any framework?



Easy to override!



Good developer experience?



Easy to maintain & contribute?

Radix Themes is an open-source component library optimized for fast development, easy maintenance, and accessibility.

Maintained by @workos.

radix-ui.com/themes

react

design-systems

ui

accessibility

colors

themes

ui-component-library

ui-components

theme-development

Menu (Dropdown)

✕ **Not everyone writes Vue and React.**

Many are using Vanilla HTML.

Many are using WordPress, PHP, C#, etc.

What about Qwik, Svelte, etc?

Vite

Q Search

K

GuideConfigPluginsResourcesVersion

⌵

⌵

⌵

⌵

⌵

⌵

⌵

⌵

⌵

Vite

Next Generation Frontend Tooling

Get ready for a development environment that can finally catch up with you.

Get StartedWhy Vite?View on GitHub

💡

Instant Server Start

On demand file serving over native ESM, no bundling required!

⚡

Lightning Fast HMR

Hot Module Replacement (HMR) that stays fast regardless of app size.

🔧

Rich Features

Out-of-the-box support for TypeScript, JSX, CSS and more.

📦

Optimized Build

Pre-configured Rollup build with multi-page and library mode support.

🔌

Universal Plugins

Rollup-superset plugin interface shared between dev and build.

🔑

Fully Typed APIs

Flexible programmatic APIs with full TypeScript typing.

astro

DocumentationShowcaseResourcesBlogAbout

🐙👤🐦

Build the web you want

Astro is the all-in-one web framework designed for speed. Pull your content from anywhere and deploy everywhere, all powered by your favorite UI components and libraries.

Get Started> npm create astro@latest

Used by the best developers and teams around the world:

GoogleMicrosoftNordVPN®ROKTThe Guardiantrivago

SVELTEKIT

web development, streamlined

read the docs

fast

Powered by **Svelte** and **Vite**, speed is baked into every crevice: fast setup, fast dev, fast builds, fast page loads, fast navigation. Did we mention it's fast?

fun

No more wasted days figuring out bundler configuration, routing, SSR, CSP, TypeScript, deployment settings and all the other boring stuff. Code with joy.

flexible

SPA? MPA? SSR? SSG? Check. SvelteKit gives you the tools to succeed whatever it is you're building. And it runs wherever JavaScript does.

Nuxt

DocsModulesShowcaseEnterpriseBlog

🐦👤🐙

Nuxt 3.6 is out

The Intuitive Web Framework

Build your next Vue.js application with confidence using Nuxt. An open source framework under MIT license that makes web development simple and powerful.

Get started> npx nuxi@latest init my-app

Deliver an optimized User Experience

How a user interacts with and experiences your website will determine your impact. Utility, ease of use, and efficiency are key. Nuxt is built with a set of features that make this possible.

How did **Singapore** do it? 🇸🇬

**New in v5.3**

Color mode support, expanded color palette, and more!

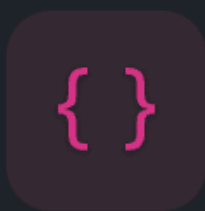


Build fast, responsive sites with Bootstrap

Powerful, extensible, and feature-packed frontend toolkit. Build and customize with Sass, utilize prebuilt grid system and components, and bring projects to life with powerful JavaScript plugins.

```
$ npm i bootstrap@5.3.1
```

[Read the docs](#)Currently **v5.3.1** · [Download](#) · [All releases](#)



Build and extend in real-time with CSS variables

Bootstrap 5 is evolving with each release to better utilize CSS variables for global theme styles, individual components, and even utilities. We provide dozens of variables for colors, font styles, and more at a `:root` level for use anywhere. On components and utilities, CSS variables are scoped to the relevant class and can easily be modified.

[Learn more about CSS variables](#) →

Using CSS variables

Use any of our [global :root variables](#) to write new styles. CSS variables use the `var(--bs-variableName)` syntax and can be inherited by children elements.

```
.component {  
  color: var(--bs-gray-800);  
  background-color: var(--bs-gray-100);  
  border: 1px solid var(--bs-gray-200);  
  border-radius: .25rem;  
}  
  
.component-header {  
  color: var(--bs-purple);  
}
```



Customizing via CSS variables

Override global, component, or utility class variables to customize Bootstrap just how you like. No need to redeclare each rule, just a new variable value.

```
body {  
  --bs-body-font-family: var(--bs-font-monospace);  
  --bs-body-line-height: 1.4;  
  --bs-body-bg: var(--bs-gray-100);  
}  
  
.table {  
  --bs-table-color: var(--bs-gray-600);  
  --bs-table-bg: var(--bs-gray-100);  
  --bs-table-border-color: transparent;  
}
```



**New in v5.3**

Color mode support, expanded color palette, and more!

**Strong default, strong opinions!****Works with any framework!****Easy to override?****Good developer experience?****Easy to contribute?**

[About](#)[Components](#)[Patterns](#)[Templates](#)[FAQs](#)[Get started](#)

sgds v2.1.0

Build your next best digital experience for Singapore

The Singapore Government Design System was developed to empower teams in creating fast, accessible and mobile-friendly digital services.

[Get started](#)[Install SGDS](#)

Core icons

Iconography uses images and symbols to represent an object visually



camera



file



lock



chevron-down



attachment



file-plus



unlock



chevron-left



chevron-right



chevron-up



check



plus



dash



cross

Anatomy

1. **Container:** Takes on the length of the browser
2. **Text:** Serves to inform the user that the website is a official Singapore Government website. The wording should not be edited in anyway
3. **Dropdown:** Serves to inform the user on how to identify official Singapore Government websites

1



A Singapore Government Agency Website

[How to identify](#)



2

3

Get started with Singapore



Official Government
Banner

Footer

Main Navigation

Side Navigation

Accordion

Alert

Badge

Breadcrumb

Button

Card

Checkbox

Combo Box

File Upload

Modal

Pagination

Progress Bar

Quantity Toggle

Radio Button

Stepper

[Home](#) / [Components](#) / Button

Button

Buttons communicate actions that users can take throughout your portal which can be used in places such as modals, forms and cards

General

[View it on Github](#)

[View it on React Storybook](#)

Example

Default button

Default

See Code



Variants

Use any of the available button styles such as **primary** to quickly created styled buttons. Some of the outline buttons, **btn-outline-light** in particular, should be used on a darker background for sufficient color contrast.

Primary

Secondary

Success

Danger

Warning

Info

Light

Dark

On this page

Button

Example

Default button

Variants

Sizes

Block buttons

Disabled buttons

Icon buttons


Anatomy

Spacing

Usage guidelines

Usability guidelines

Button design tokens

 **sgds-govtech-react** Public

Watch 10

Fork 24

Star 40

v2


10 branches

23 tags
















Go to file

Add file

<> Code

 **clukhei** Merge pull request [#165](#) from GovTechSG/v2dev

6e19813 2 weeks ago 758 commits

| | | | |
|---|-------------------|---|-------------|
|  | .github/workflows | ci(ghaction): check pre-release tag for correct tag npm publishing (#... | last year |
|  | .husky | chore(commit): setup husky and commitizen to fixed commit structure | last year |
|  | .storybook | docs(*): fix mdxCreateElement code snippets, standardize canvas co... | last year |
|  | example | Added tsdx config for module bundling | 2 years ago |
|  | scripts | change extensions to .js | last year |
|  | src | refactor(FileUpload): deprecate empty object type for selectedFile | last month |
|  | stories | refactor(FileUpload): deprecate empty object type for selectedFile | last month |
|  | tests | refactor(FileUpload): deprecate empty object type for selectedFile | last month |
|  | www | chore(deps-dev): bump word-wrap from 1.2.3 to 1.2.4 in /www/cra | last month |
|  | .babelrc.json | Package cleanup, updated main nav stories | 3 years ago |
|  | .gitignore | test(apps): added next and cra apps for ssr and csr testing | last year |
|  | .nvmrc | chore(*): add nvmrc file to set node version | 2 weeks ago |
|  | CHANGELOG.md | docs(CHANGELOG): for 2.2.1 | 2 weeks ago |
|  | CONTRIBUTING.md | docs(CONTRIBUTING): rename file and update info on publishing | last year |
|  | LICENSE | Added tsdx config for module bundling | 2 years ago |

About

React components for SGDS

react.designsystem.tech.gov.sg/

- Readme
- MIT license
- Activity
- 40 stars
- 10 watching
- 24 forks

Report repository

Releases 5

 **v2.2.1** Latest
2 weeks ago

[+ 4 releases](#)

Packages

No packages published

Contributors 15



Official Government Banner

Footer

Main Navigation

Side Navigation

Accordion

Alert

Badge

Breadcrumb

Button

Card

Checkbox

Combo Box

File Upload

Modal

Pagination

Progress Bar

Quantity Toggle

Radio Button

Stepper

[Home](#) / [Components](#) / Official Government Banner


Official Government Banner


All .gov.sg digital services shall adopt The Official Government Banner for every page in the digital service and be placed at the top of the page.

Mandatory

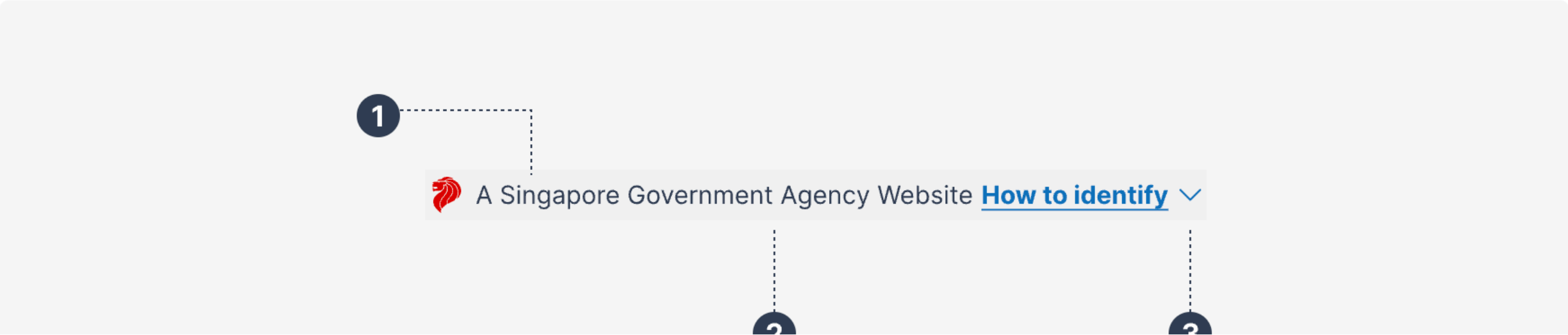
 [View it on Github](#) 

Example

 A Singapore Government Agency Website [How to identify](#)▼

See Code 

Anatomy



On this page

- Official Government Banner
 - Example
 - Anatomy
 - Spacing
 - Official Government Banner design tokens

Example



A Singapore Government Agency Website [How to identify](#)▼

See Code



Copy

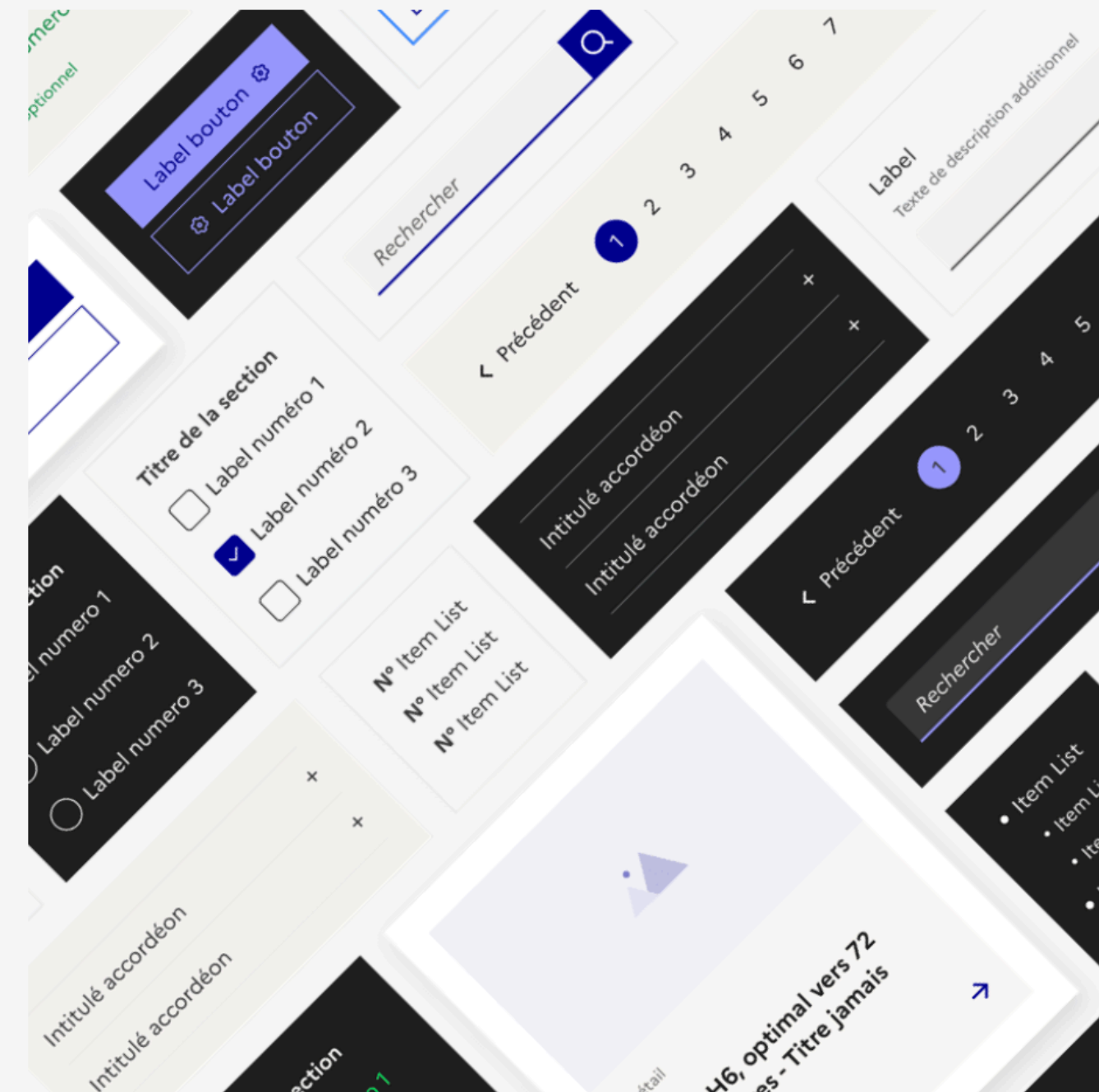
```
<head>
  <script
    type="module"
    src="https://cdn.jsdelivr.net/npm/@govtechsg/sgds-web-
component/Masthead/index.js">
  </script>
</head>
<body>
  <sgds-masthead></sgds-masthead>
  <!-- Add fluid attribute for full width banner -->
  <!--
    <sgds-masthead fluid></sgds-masthead>
  -->
</body>
```


How did **France** do it? 🇫🇷

Développer vos sites et applications en utilisant des composants prêts à l'emploi, accessibles et ergonomiques

Depuis deux ans, le Service d'Information du Gouvernement (SIG) construit cet outil avec l'aide de nombreux développeurs et designers de la sphère publique.

[Prendre en main le Système de Design](#)



Qu'est-ce que le Système de Design de l'État ?

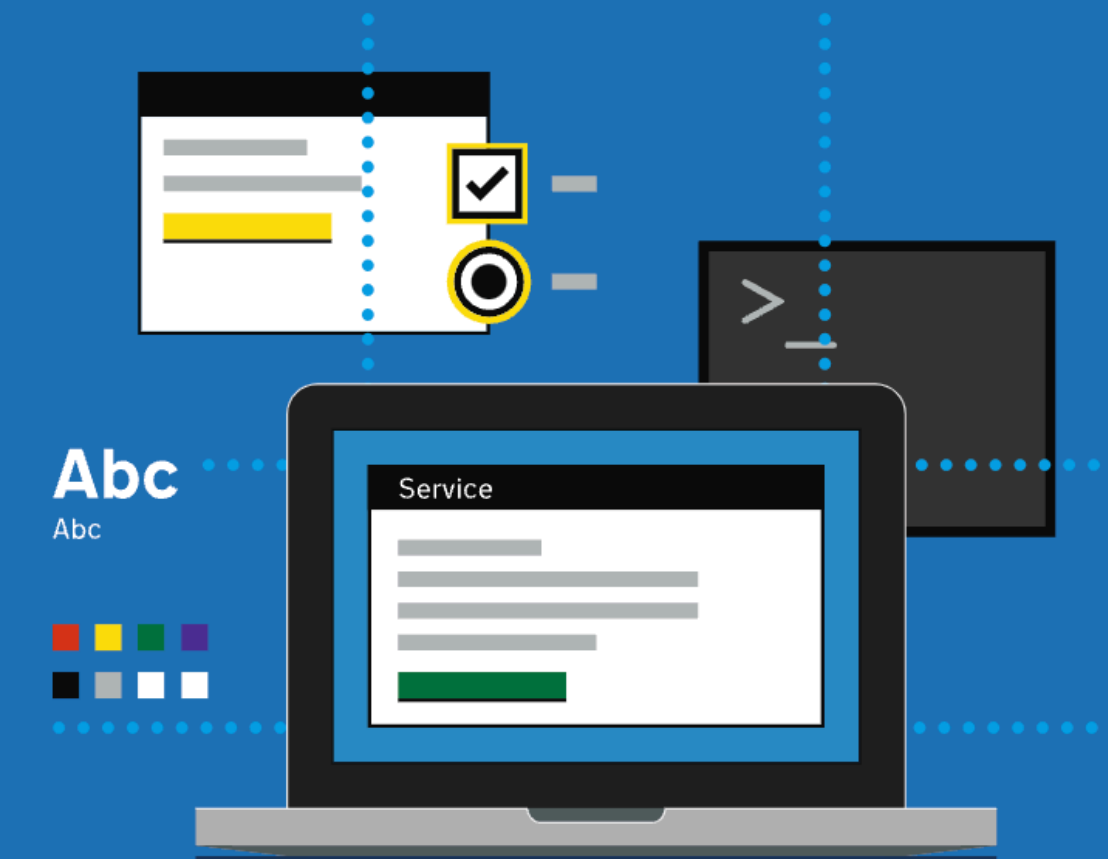
Ce projet est le volet numérique de la marque de l'État, qui permet pour les citoyens d'avoir une cohérence graphique et une meilleure expérience à travers l'ensemble des sites de l'État. Le Système de Design de l'État regroupe un ensemble de composants réutilisables, répondant à des standards et à

How did **United Kingdom** do it?

Design your service using GOV.UK styles, components and patterns

Use this design system to make government services consistent with GOV.UK. Learn from the research and experience of other service teams and avoid repeating work that's already been done.

[Get started >](#)



What's new

6 July 2023: We've released GOV.UK Frontend v4.7.0. With this feature release, we've added a new component called [Exit this Page](#) to help users quickly exit a page or service. We've also made visual improvements to some components and done some minor fixes.

[Read the full release notes for more details.](#)

[Sign up to get update emails about the Design System.](#)

[Accordion](#)[Back link](#)[Breadcrumbs](#)[Button](#)[Character count](#)[Checkboxes](#)[Cookie banner](#)[Date input](#)[Details](#)[Error message](#)[Error summary](#)[Exit this page](#)[Fieldset](#)[File upload](#)[Footer](#)[Header](#)[Inset text](#)[Notification banner](#)[Pagination](#)[Panel](#)[Phase banner](#)[Radios](#)[Select](#)

Components

Error summary

Use this component at the top of a page to summarise any errors a user has made.

When a user makes an error, you must show both an error summary and an [error message](#) next to each answer that contains an error.

[Open this example in a new tab](#)

There is a problem

Enter your full name

The date your passport was issued must be in the past

[HTML](#)[Nunjucks](#)

When to use this component

Always show an error summary when there is a validation error, even if there’s only one.

- accordion
- README.md
- _accordion.scss
- _index.scss**
- accessibility.test.mjs
- accordion.mjs
- accordion.test.js
- accordion.yaml
- macro.njk
- template.njk
- template.test.js
- > back-link
- > breadcrumbs
- > button
- > character-count
- > checkboxes
- > cookie-banner
- > date-input
- > details
- > error-message
- > error-summary
- > exit-this-page
- > fieldset
- > file-upload

govuk-frontend / packages / govuk-frontend / src / govuk / components / accordion / _index.scss

 colinrotherham Run prettier --write

6924f46 · last week History

Code Blame 364 lines (293 loc) · 10.9 KB

Raw Copy Download Edit View Source

```
1  @include govuk-exports("govuk/component/accordion") {
2    $govuk-accordion-base-colour: govuk-colour("black");
3    $govuk-accordion-hover-colour: govuk-colour("light-grey");
4    $govuk-accordion-icon-focus-colour: $govuk-focus-colour;
5    $govuk-accordion-bottom-border-width: 1px;
6
7    .govuk-accordion {
8      @include govuk-responsive-margin(6, "bottom");
9    }
10
11    .govuk-accordion__section {
12      padding-top: govuk-spacing(3);
13    }
14
15    .govuk-accordion__section-heading {
16      // Override browser defaults to ensure consistent element height
17      margin-top: 0;
18      margin-bottom: 0;
19
20      padding-top: govuk-spacing(3);
21      padding-bottom: govuk-spacing(3);
22    }
23
24    .govuk-accordion__section-button {
25      @include govuk-font($size: 24, $weight: bold);
26      @include govuk-text-colour;
27
28      display: block;
```


How did **Scotland** do it?

BETA

This is a new service. Your [feedback](#) will help us to improve it.[Get started](#)[Styles](#)[Components](#)[Patterns](#)[Guidance](#)[Backlog](#)[Home](#) > [Components](#) > Button[Accordion](#)[Aspect box](#)[Autocomplete](#)[Back to top](#)[Breadcrumbs](#)[Button](#)[Character count](#)[Checkboxes](#)[Contact details](#)[Cookie banner](#)[Date picker](#)[Error message](#)[Error summary](#)[Feature header](#)

Components

Button

Published: **19 August 2020**

Use a button to help users perform an action, such as submitting a form or starting an application.

When to use a button or a link

Button styling can be applied to either button or link elements. Use the appropriate element for the task: use a button element when the user is performing an action, use a link element when the user is navigating.

Try to limit the use of styling link elements to look like buttons, as this may confuse the visual clues for how that element can be interacted with.

Types of button

Primary button

This is the default button style. Use this for your primary calls to action.

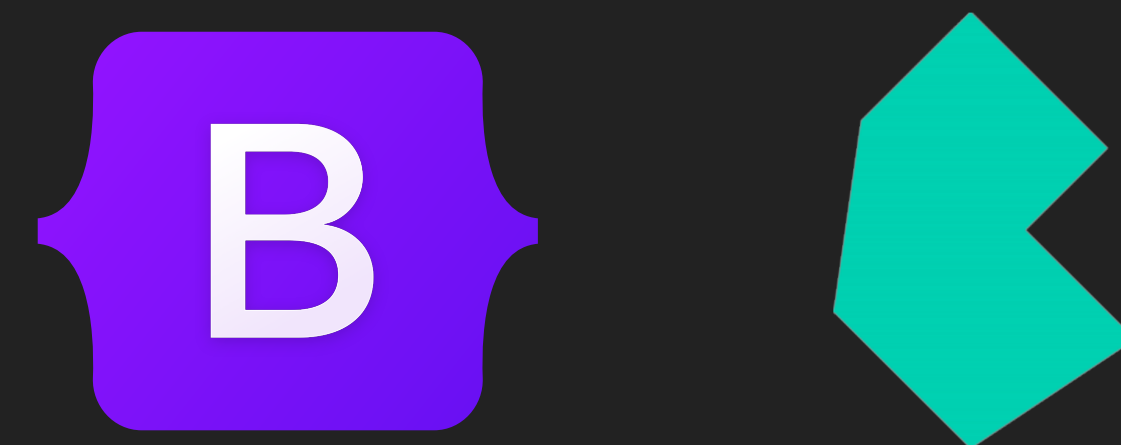


`/* How do you write CSS? */`

**Utility
Classes**



**Semantic
Classes**




```
/* semantic */
```

```
.btn .btn-danger
```

```
/* utility */
```

```
.px-8 .py-2 .bg-primary
```



Why don't we have both?

? Some devs prefers **utility** classes,
others **semantic**.

Can we build a design system that
makes both camps happy?



Components, meet the Utility API

New in Bootstrap 5, our utilities are now generated by our [Utility API](#). We built it as a feature-packed Sass map that can be quickly and easily customized. It's never been easier to add, remove, or modify any utility classes. Make utilities responsive, add pseudo-class variants, and give them custom names.

Quickly customize components

Apply any of our included utility classes to our components to customize their appearance, like the navigation example below. There are hundreds of classes available—from [positioning](#) and [sizing](#) to [colors](#) and [effects](#). Mix them with CSS variable overrides for even more control.

Home Profile Contact

Home Profile Contact

```
<ul class="nav nav-pills nav-fill gap-2 p-1 small bg-primary rounded" data-bbox="197 511 315 540">
  <li class="nav-item" role="presentation">
    <button class="nav-link active rounded-5" id="home-tab2" data-bbox="231 581 289 609">Home
  </li>
  <li class="nav-item" role="presentation">
    <button class="nav-link rounded-5" id="profile-tab2" data-bbox="326 581 351 598">Profile
  </li>
  <li class="nav-item" role="presentation">
    <button class="nav-link rounded-5" id="contact-tab2" data-bbox="420 581 450 598">Contact
  </li>
</ul>
```

[Explore customized components](#) →

Create and extend utilities

Use Bootstrap's utility API to modify any of our included utilities or create your own custom utilities for any project. Import Bootstrap first, then use Sass map functions to modify, add, or remove utilities.

```
@import "bootstrap/scss/bootstrap";

$utilities: map-merge(
  $utilities,
  (
    "cursor": (
      property: cursor,
      class: cursor,
      responsive: true,
      values: auto pointer grab,
    )
  )
);
```

[Explore the utility API](#) →

API explained

All utility variables are added to the `$utilities` variable within our `_utilities.scss` stylesheet. Each group of utilities looks something like this:

```
$utilities: (  
  "opacity": (  
    property: opacity,  
    values: (  
      0: 0,  
      25: .25,  
      50: .5,  
      75: .75,  
      100: 1,  
    )  
  )  
);
```



Which outputs the following:

```
.opacity-0 { opacity: 0; }  
.opacity-25 { opacity: .25; }  
.opacity-50 { opacity: .5; }  
.opacity-75 { opacity: .75; }  
.opacity-100 { opacity: 1; }
```



Extending Bootstrap 5 or existing frameworks is a reasonable solution.

However, **Sass** remains a barrier for some.

What are the other possible solutions?

`npm i -D daisyui`

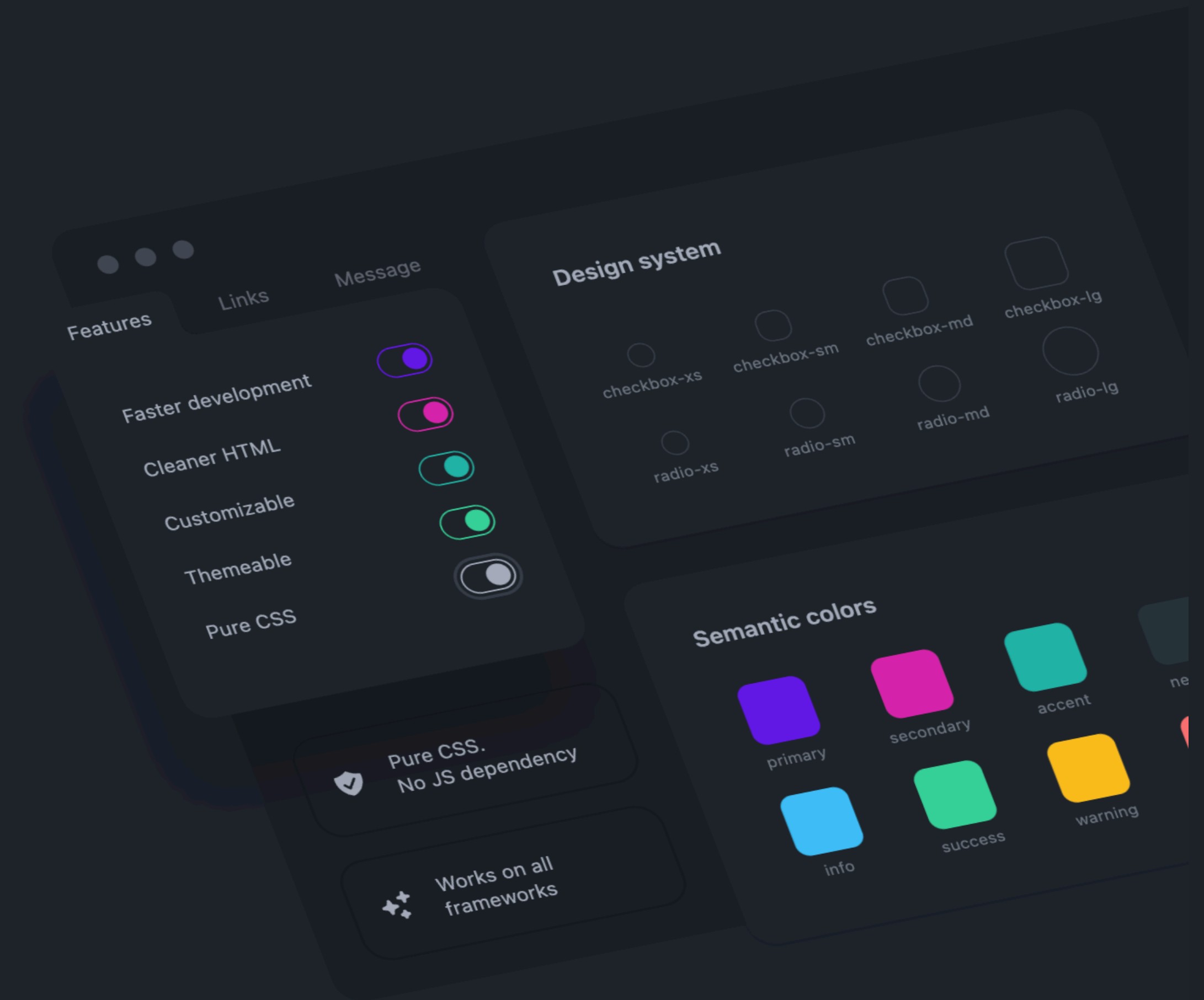
daisyUI 3 is available now! 🎉

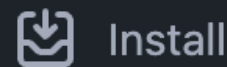
The most popular component library for Tailwind CSS

daisyUI adds component class names to Tailwind CSS
so you can make beautiful websites faster than ever.

See components

How to use? →





Install



Use



Customize components



Config



Colors



Themes



Theme Generator



Layout & Typography



Actions

Button

Dropdown

Modal

Swap



Data display

Accordion

Alert

Avatar

Badge

Card

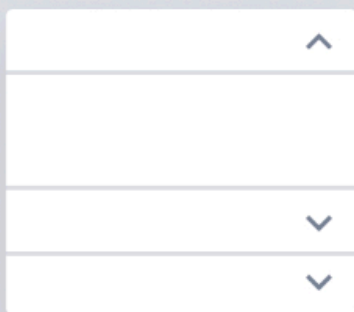
Carousel

Chat bubble

Collapse

All daisyUI components

53 Components



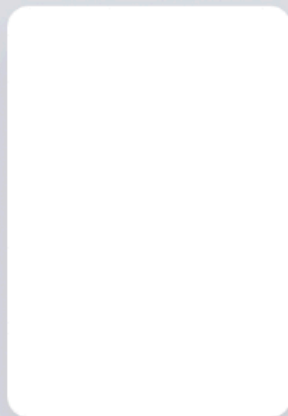
Accordion

Accordion is used for showing and hiding content but only one item can stay open at a time.



Alert

Alert informs users about important events.



Artboard

Artboard provides fixed size container to display a demo content on mobile size.



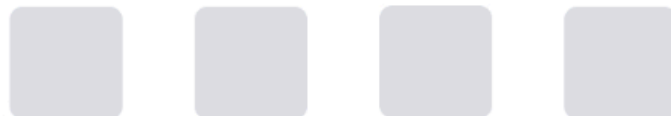
Avatar

Avatars are used to show a thumbnail representation of an individual or business in the interface.



Badge

Badges are used to inform the user of the status of specific data.



Bottom navigation

Bottom navigation bar allows navigation between primary screens.

Sponsors



BashSenpai

Never google
a command again

Become a sponsor


```
.btn {  
    @apply gap-2 no-underline;  
  
    border-width: var(--border-btn);  
}
```

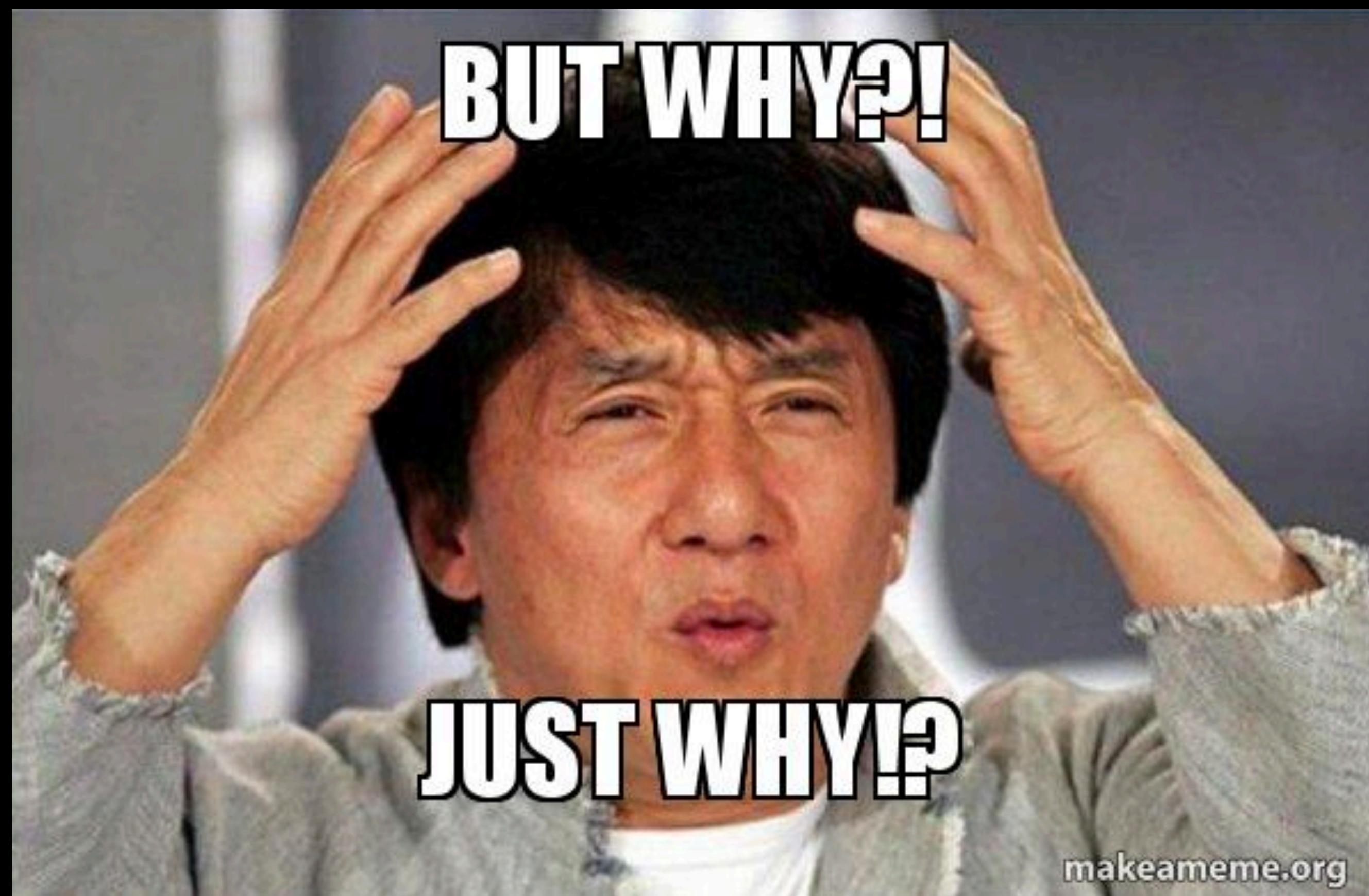


```
:root {  
  --yellow:  #ffd100;  
  --charcoal:  #53565a;  
}
```

```
header {  
  background-color: var(--charcoal);  
  color: var(--yellow);  
}
```

This is very interesting 🤔 🤔

Can we **compose** design systems
by **composing utility classes**
into **semantic classes**?



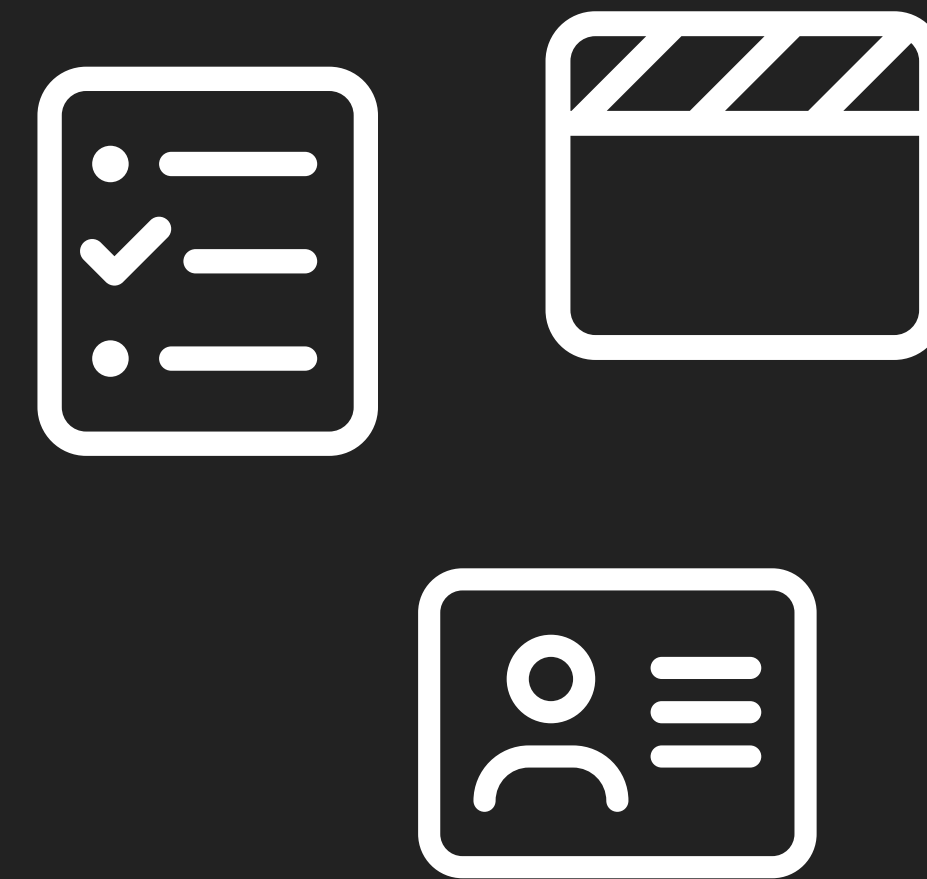
Utility classes forces the library
to be consistent.

You always use
design tokens.





Base Layer



Component Layer

- 🔗 Getting Started
- 🎨 Styled System
- 🧩 **Components**
- 🔗 Hooks
- 🔗 Figma
- 🌐 Community
- 🎮 Playground

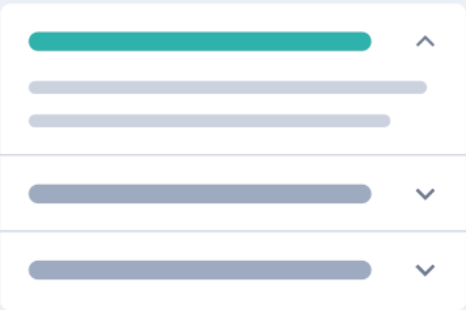
LAYOUT

- Aspect Ratio
- Box
- Center
- Container
- Flex
- Grid
- SimpleGrid
- Stack
- Wrap


FORMS

- Button


Disclosure



Accordion




Tabs




Visually Hidden


Feedback



Alert




Circular Progress




Progress



Skeleton



Spinner



Toast

ON THIS PAGE

Disclosure

Feedback

Overlay

Media and icons



Data display

Navigation

Form

Other

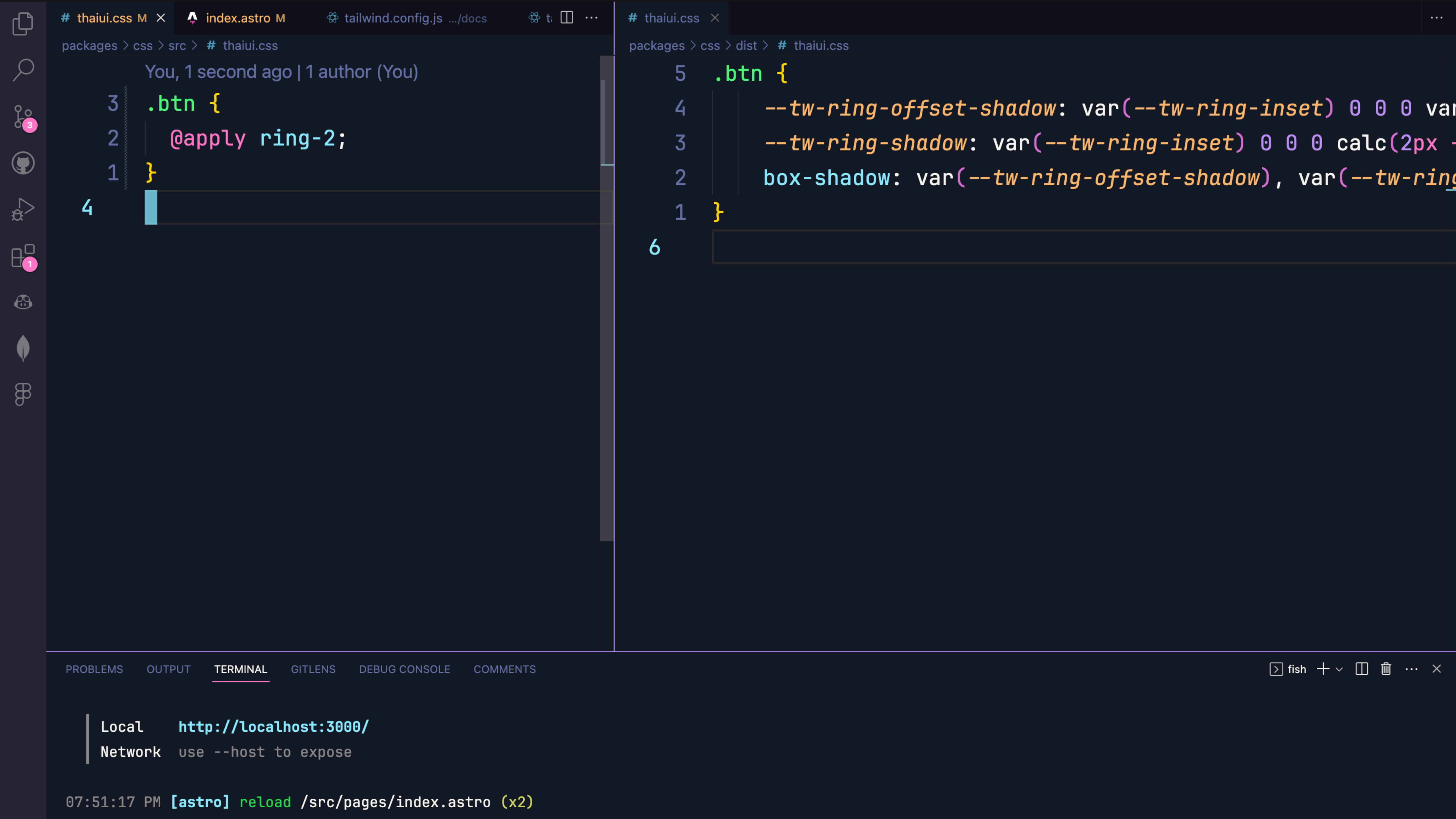
Typography



Convert Figma Designs to Chakra UI code

- ✗ If we use **Tailwind**, then our end users must also include **Tailwind** in their compilation steps.

Doesn't work for everyone!



thaiui.css M × index.astro M tailwind.config.js .../docs t: □ ...

packages > css > src > # thaiui.css

You, 1 second ago | 1 author (You)

```
3  .btn {
2  |   @apply ring-2;
1  | }
4  |
```

thaiui.css × ...

packages > css > dist > # thaiui.css

```
5  .btn {
4  |   --tw-ring-offset-shadow: var(--tw-ring-inset) 0 0 0 var(--tw-ring-inset) 0 0 0;
3  |   --tw-ring-shadow: var(--tw-ring-inset) 0 0 0 calc(2px + 2px);
2  |   box-shadow: var(--tw-ring-offset-shadow), var(--tw-ring-shadow);
1  | }
6  |
```

PROBLEMS OUTPUT TERMINAL GITLENS DEBUG CONSOLE COMMENTS

fish + ▾ □ □ ... ×

Local http://localhost:3000/
Network use --host to expose

07:51:17 PM [astro] reload /src/pages/index.astro (x2)

UnoCSS

Instant On-demand Atomic CSS Engine

Customizable · Powerful · Fast · Joyful

[Getting Started](#)[Interactive Docs](#)[Playground](#)

Fully Customizable

No core utilities, all functionalities are provided via presets.

[Getting Started](#) →



Instant

No parsing, no AST, no scanning. It's 5x faster than Windi CSS or Tailwind JIT.



Lightweight

Zero deps and browser friendly: ~6kb min+brotili



Overview

Presets

Uno (default)

Icons

Attributify

Typography

Web fonts

Wind

Mini

Tagify

Rem to px

Community Presets

Transformers

Variant Group

Directives

Compile Class

Attributify JSX

Extractors

Pug Extractor

Svelte Extractor

Arbitrary Variants Extractor

Usage

@apply

```
.custom-div {
  @apply text-center my-0 font-medium;
}
```

Will be transformed to:

```
.custom-div {
  margin-top: 0rem;
  margin-bottom: 0rem;
  text-align: center;
  font-weight: 500;
}
```

--at-apply

To be compatible with vanilla CSS, you can use CSS Variables to replace the @apply directive:

```
.custom-div {
  --at-apply: text-center my-0 font-medium;
}
```

To use rules with :, you will have to quote the value:

```
.custom-div {
  --at-apply: "hover:text-red";
}
```

On this page

Installation

Usage

@apply

--at-apply

@screen

Breakpoint variant support

@screen lt-

@screen at-

theme()

License

Can we progressively enhance
our CSS framework?

More research is needed.

Expose **CSS variables** for theming.

Provide a **CDN build** for semantic users.

Provide a **Tailwind plugin** for tailwind users.

Provide **React & Vue binding** for framework users.

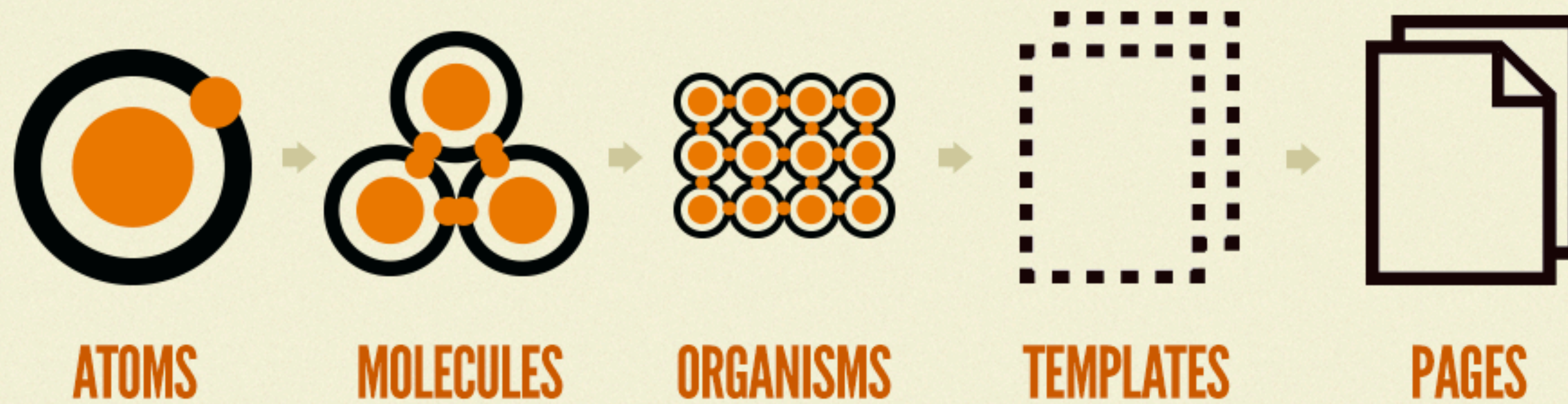
Provide **templates & patterns** for easy adoption.

Goals and principles

- ThaiUI should be usable without build tooling or build scripts. Should be directly usable with CDN, e.g. `<link rel="stylesheet" href="https://thaiui.org/thaiui.css" />`.
- ThaiUI should work with any CSS frameworks, e.g. with utility-class based CSS frameworks out of the box. (e.g. Tailwind, UnoCSS)
- ThaiUI should expose a set of classes that is overrideable via CSS variables or utility classes, akin to DaisyUI. It should also expose CSS variables defining the design system's colors, spacings, etc.
- ThaiUI should be compatible with [Tailwind](#), [UnoCSS](#) and other frameworks. It should provide the base configuration for users of utility-class based frameworks (e.g. `tailwind.config.js` or `uno.config.ts`) to make use of ThaiUI's CSS variables for consistent styling out of the box.
- ThaiUI should provide basic set of ready-to-use templates and themes for common use cases, e.g. landing page, forms.
- ThaiUI should be JS framework agnostic, i.e. it must be usable with vanilla JavaScript, React, Vue, Svelte, etc. ThaiUI should expose a set of bindings for each popular frameworks, yet usable with Vanilla HTML.
- ThaiUI should expose a set of components and templates, both in base HTML form and framework-binding form.

```
extend: {  
  colors: {  
    primary: 'var(--th-primary)',  
    secondary: 'var(--th-secondary)'  
  }  
}
```

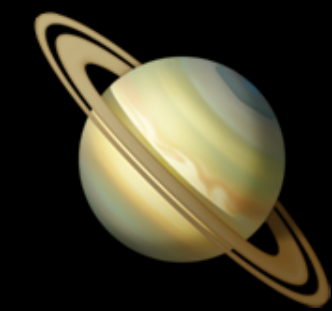

- ✓ **Strong default, strong opinions?**
- ✓ **Works with any framework?**
- ✓ **Easy to override?**
- ✓ **Good developer experience?**
- ? **Easy to maintain & contribute?**



Designing ThaiUI

Typical Design Systems
are crafted for Companies
and Organizations

How can we design a
“Design System for **all** [Thais]?”



Keyword #1:

Form follows function

Welcome to GOV.UK

The best place to find government services and information

Simpler, clearer, faster

Search



Popular on GOV.UK

[Get support with the cost of living](#)

[Find out about help you can get with your energy bills](#)

[Find a job](#)

[Universal Credit account: sign in](#)

[Check your National Insurance record](#)

Topics

[Benefits](#)



[Births, deaths, marriages](#)



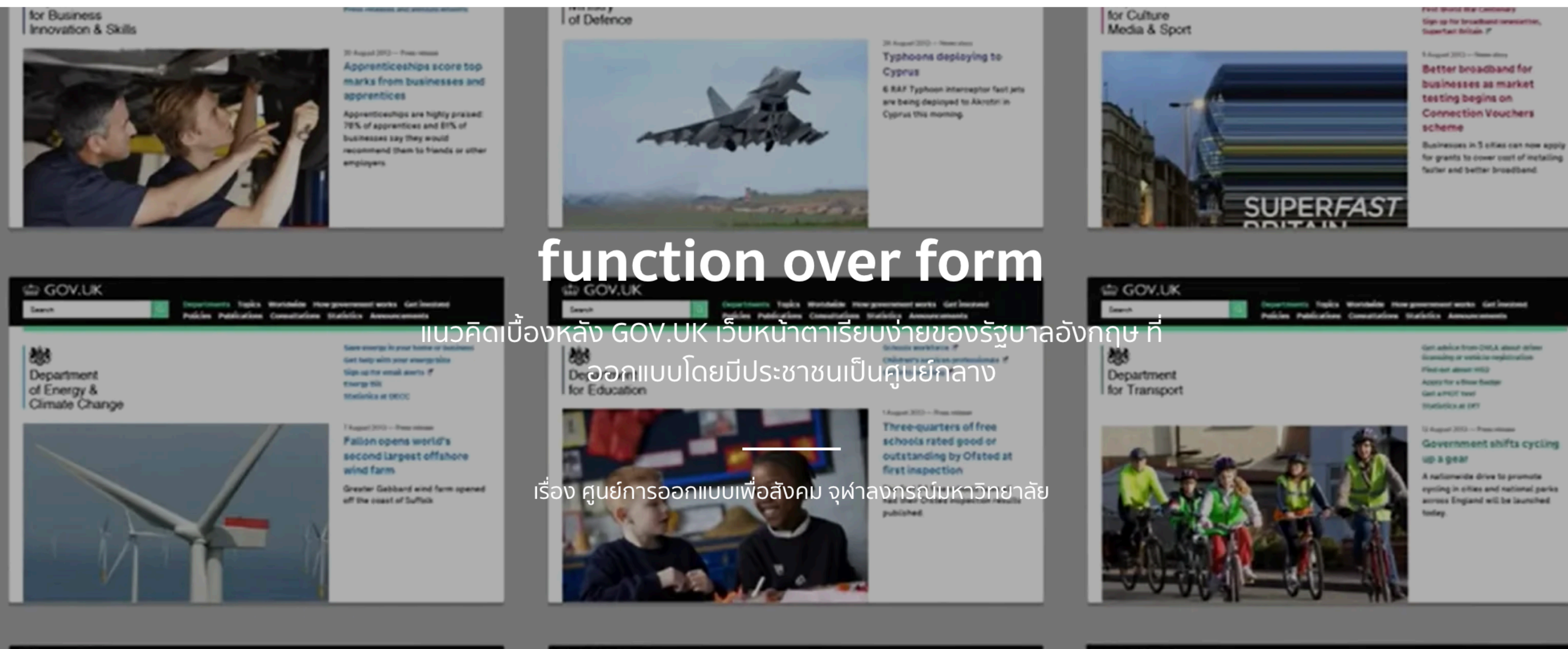
[Business and self-employed](#)





The Cloud

The Magazine on Cloud about
Local • Creative Culture • Better Living



Accessibility & Usability

Abstract**Status of This Document****Introduction**

- 0.1 Background on WCAG 2
- 0.2 WCAG 2 Layers of Guidance
- 0.3 WCAG 2.1 Supporting Documents
- 0.4 Requirements for WCAG 2.1
- 0.5 Comparison with WCAG 2.0
 - 0.5.1 New Features in WCAG 2.1
 - 0.5.2 Numbering in WCAG 2.1
 - 0.5.3 Conformance to WCAG 2.1
- 0.6 Later Versions of Accessibility Guidelines

1. Perceivable

- 1.1 Text Alternatives
 - 1.1.1 Non-text Content
- 1.2 Time-based Media
 - 1.2.1 Audio-only and Video-only (Prerecorded)
 - 1.2.2 Captions (Prerecorded)
 - 1.2.3 Audio Description or Media Alternative (Prerecorded)
 - 1.2.4 Captions (Live)
 - 1.2.5 Audio Description (Prerecorded)
 - 1.2.6 Sign Language (Prerecorded)
 - 1.2.7 Extended Audio Description (Prerecorded)
 - 1.2.8 Media Alternative (Prerecorded)
 - 1.2.9 Audio-only (Live)
- 1.3 Adaptable
 - 1.3.1 Info and Relationships

Web Content Accessibility Guidelines (WCAG) 2.1

W3C Recommendation 05 June 2018

**This version:**

<https://www.w3.org/TR/2018/REC-WCAG21-20180605/>

Latest published version:

<https://www.w3.org/TR/WCAG21/>

Latest editor's draft:

<https://w3c.github.io/wcag/21/guidelines/>

Implementation report:

<https://www.w3.org/WAI/WCAG21/implementation-report/>

Previous version:

<https://www.w3.org/TR/2018/PR-WCAG21-20180424/>

Previous Recommendation:

<https://www.w3.org/TR/2008/REC-WCAG20-20081211/>

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[Alastair Campbell](#) (Nomensa)

[Michael Cooper](#) (W3C)

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Ben Caldwell (Trace R&D Center, University of Wisconsin-Madison)

Loretta Guarino Reid (Google, Inc.)

Gregg Vanderheiden (Trace R&D Center, University of Wisconsin-Madison)

Wendy Chisholm (W3C)

John Slatin (Accessibility Institute, University of Texas at Austin)

Jason White (University of Melbourne)

Please check the [errata](#) for any errors or issues reported since publication.

Text Alternatives

Caption and Audio Description

Color & Contrast

Text Spacing

Keyboard Accessibility

Navigation

Input Modality

Readability

Predictability

etc

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etc

WCAG AA: **Fail**

WCAG AAA: **Fail**

The five boxing wizards jump quickly.

1.48:1

WCAG AA: **Pass**

WCAG AAA: **Fail**

The five boxing wizards jump quickly.

4.6:1

WCAG AA: **Pass**

WCAG AAA: **Pass**

The five boxing wizards jump quickly.

7:1

Text Alternatives

Caption and Audio Description

Color & Contrast

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etc

Topics

[Benefits](#)

Includes eligibility, appeals, tax credits and Universal Credit



[Births, deaths, marriages and care](#)

Parenting, civil partnerships, divorce and Lasting Power of Attorney



[Business and self-employed](#)

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 Keyword #2:
Identity?

Timeless Design?

Button

Upload

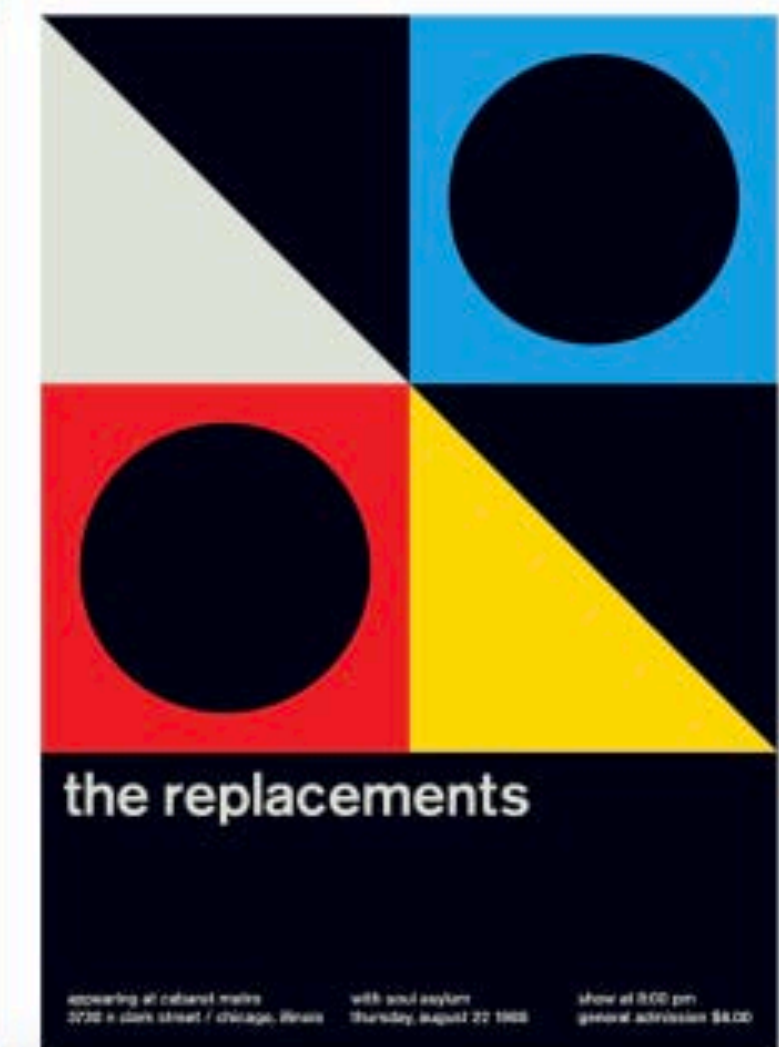
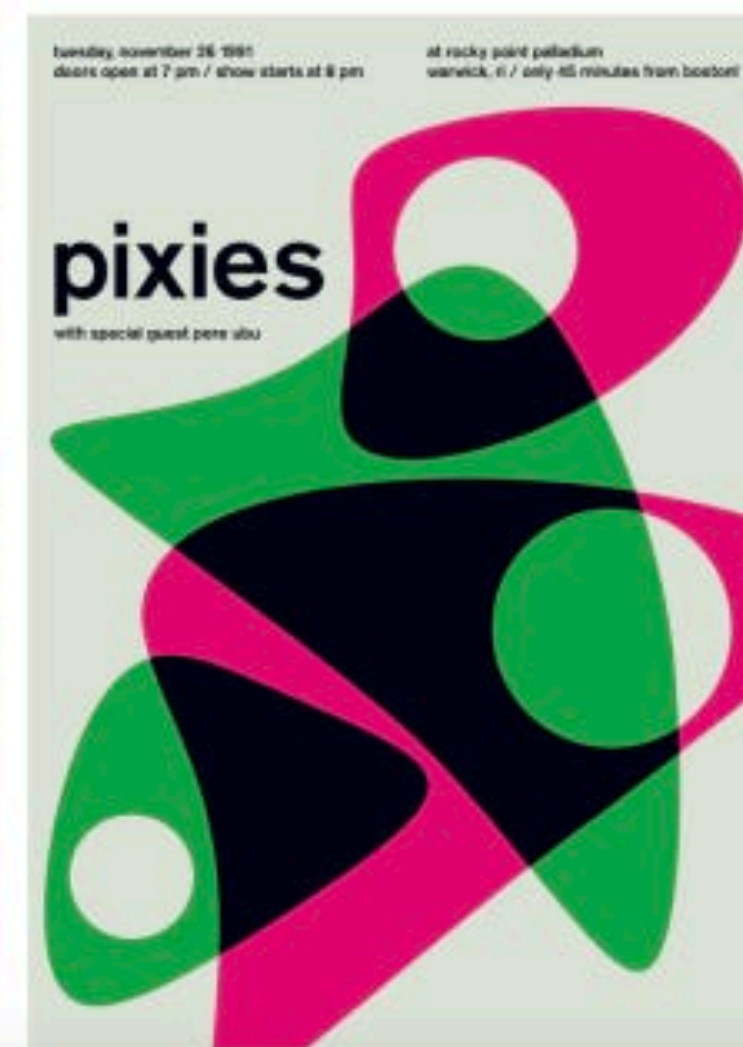
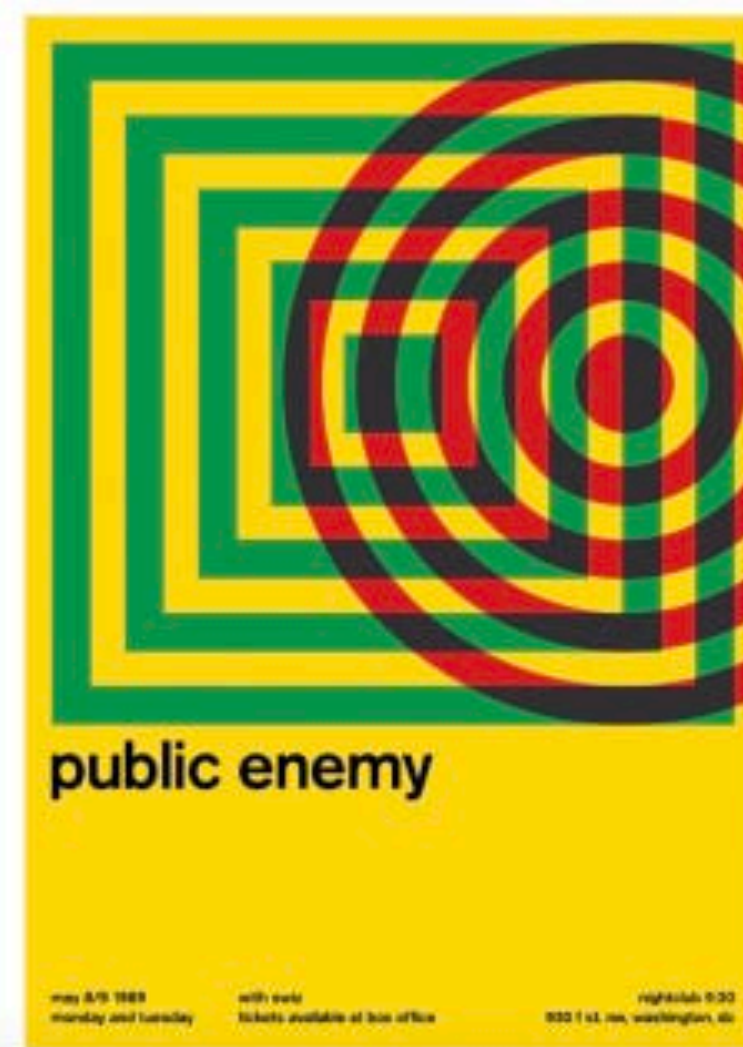
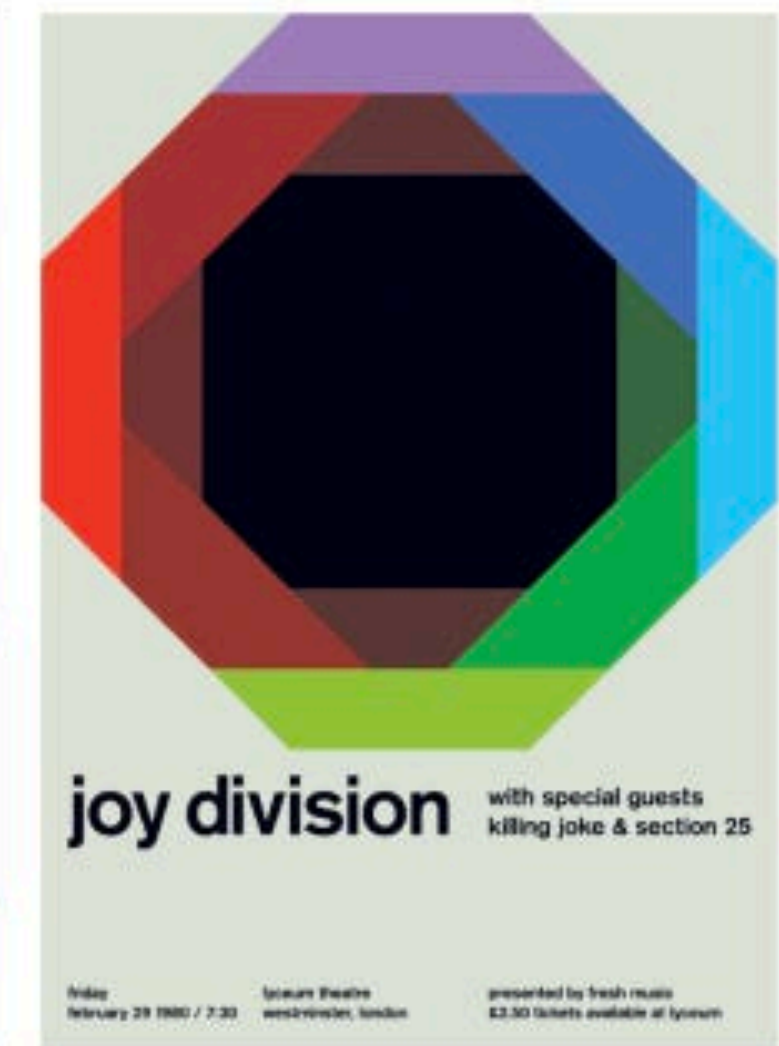
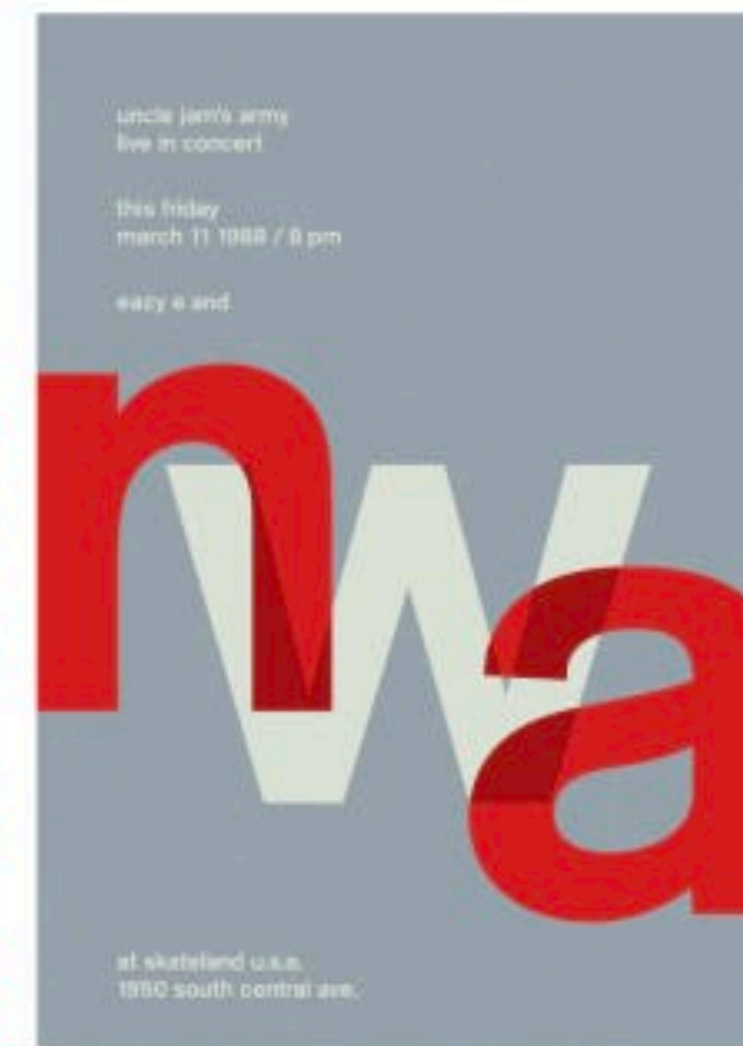
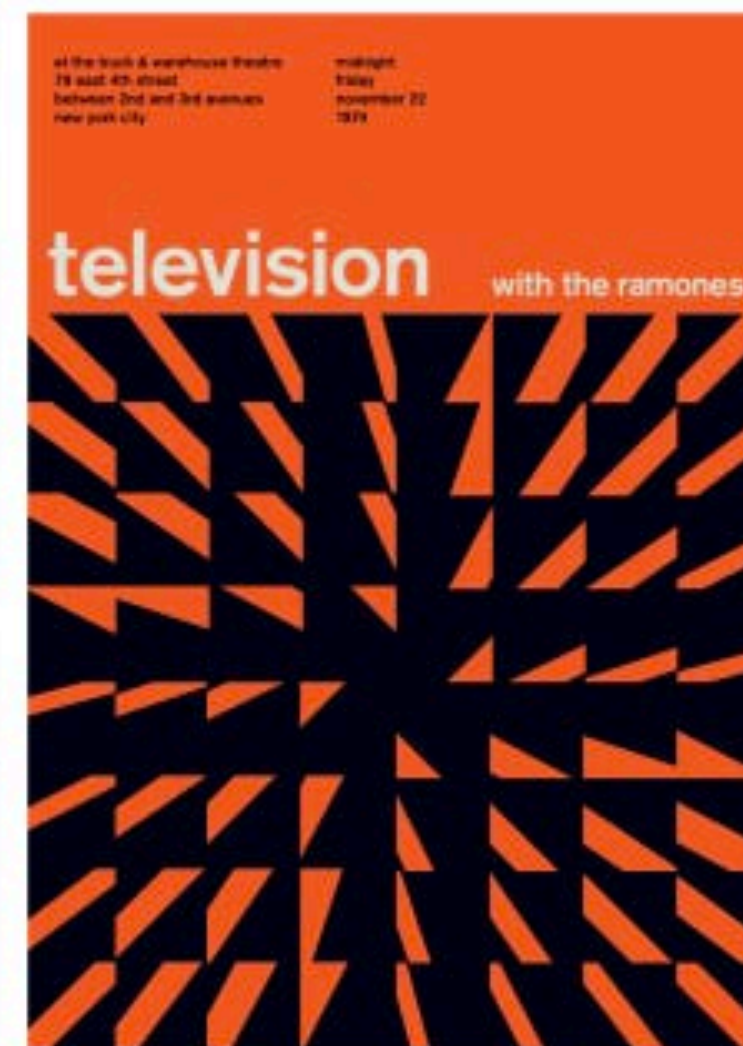
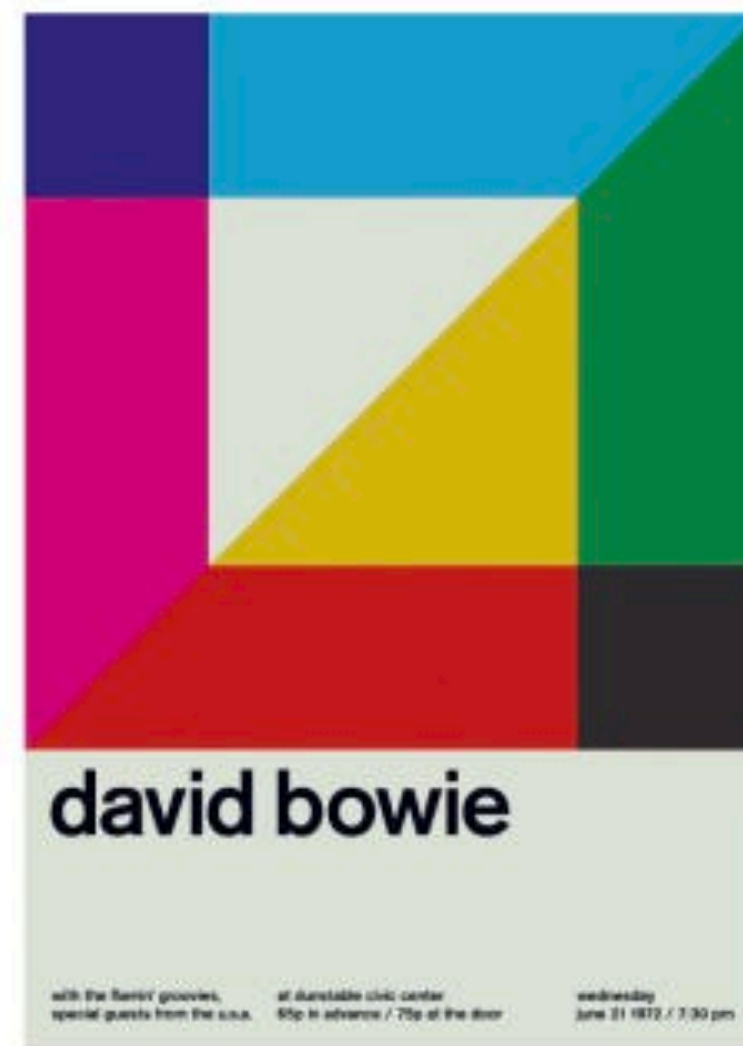


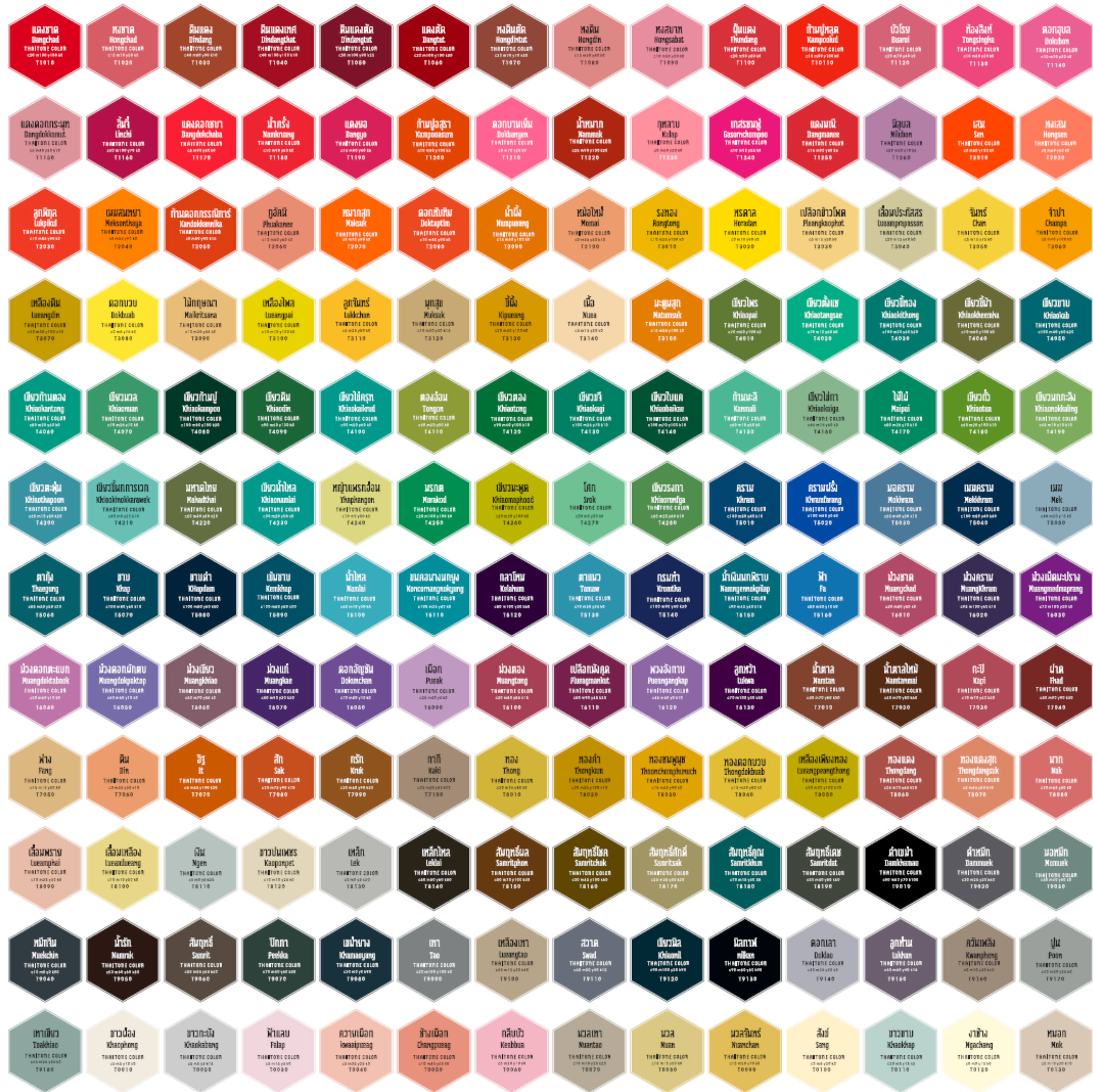
Primary

Save and continue

Button

Label





THAITONE

COLOR



Challenges.
Next Steps.



ThaiUI

ThaiUI aims to be an open-source, framework-agnostic design system for Thai civic tech and government websites and web applications.

Goals and principles

- ThaiUI should be usable without build tooling or build scripts. Should be directly usable with CDN, e.g. `<link rel="stylesheet" href="https://thaiui.org/thaiui.css" />`.
- ThaiUI should work with any CSS frameworks, e.g. with utility-class based CSS frameworks out of the box. (e.g. Tailwind, UnoCSS)
- ThaiUI should expose a set of classes that is overrideable via CSS variables or utility classes, akin to DaisyUI. It should also expose CSS variables defining the design system's colors, spacings, etc.
- ThaiUI should be compatible with [Tailwind](#), [UnoCSS](#) and other frameworks. It should provide the base configuration for users of utility-class based frameworks (e.g. `tailwind.config.js` or `uno.config.ts`) to make use of ThaiUI's CSS variables for consistent styling out of the box.
- ThaiUI should provide basic set of ready-to-use templates and themes for common use cases, e.g. landing page, forms.
- ThaiUI should be JS framework agnostic, i.e. it must be usable with vanilla JavaScript, React, Vue, Svelte, etc. ThaiUI should expose a set of bindings for each popular frameworks, yet usable with Vanilla HTML.
- ThaiUI should expose a set of components and templates, both in base HTML form and framework-binding form.

Structure

```
apps/
docs/      # documentation site, built with Astro and ThaiUI
packages/
css/       # css stylesheets
react/     # react bindings
```



Contributors 2



heypoom Phoomparin Mano



mennwebs Menn

Languages



● CSS 62.7% ● JavaScript 24.5%
● Astro 12.8%



github.com/oseda/thaiui

ชื่อ (Name)

นามสกุล (Surname)

Primary

Secondary

Outline

Primary

Secondary

Danger

Warning

Primary

Primary

Secondary

Primary

Primary

Secondary

[Home](#) > [Design System](#) > Components

จังหวัด (Province)

กรุงเทพฯ ▾

จังหวัด (Province)

กรุงเทพฯ ▾

สวัสดี 1

Hello 2

Lorem 3


อัพชั่น 4

สวัสดี 1

Hello 2


Lorem 3

อัพชั่น 4




Note: Nominations are currently closed

You can nominate a new provider at the start of the next financial year.




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